Name	Size
Hexdump	
transmission coefficient	1x1
transmission coefficient	1x1
transmission coefficient	1x1
login code for AAG deactivated	1x1
login code for AAG deactivated	1x1
login code for AAG deactivated	1x1
login code for AAG deactivated	1x1
login code for AAG active	1x1
login code for AAG active	1x1
login code for AAG active	1x1
login code for AAG active	1x1
line for cooling down of catalyst in dependence of soak time	6x1
Init. value of starts Counter for recognation of fuel in oil	1x1
threshold numbers of starts with fuel in oil for reduction LRA	1x1
max. numbers of starts for recognation of fuel in oil	1x1
BM counter for engine speed=0 detection after crash shut-off	1x1
PH counter for engine speed=0 detection after crash shut-off	1x1
Error time for ADC values for sp1s that become increasingly less mutually plaus.	1x1
login code to activate ADR	1x1
login code to activate ADR	1x1
login code to activate ADR	1x1
login code to activate ADR	1x1
login code to activate ADR	1x1
number of driving cycles with cond. radiation power high for tmot stuck check	1x1
number of driving cycles with cond. radiation power low for tmot stuck check	1x1
number of driving cycles for non-plausibility check of fixed TANS-signal	1x1
Number of gear changes for diagnosis clutch switch	1x1
maximum possible EGR rate	1x1
upper limit value adjustment EGR rate	1x1
upper limit value adjustment EGR rate	1x1
lower limit value adjustment EGR rate	1x1
lower limit value adjustment EGR rate	1x1
misfire frequency at which emission limits occures	1x1
misfire frequency at which emission limits occures	1x1
misfire frequency (emission limits) first interval at catalyst heating	1x1
misfire frequency at which other functions will be stopped	1x1
misfire frequency at which fuel cutoff occures	1x1
misfire frequency at which catalyst damage occurs during first interval bank 1	1x1
misfire frequency at which catalyst damage occurs during first interval bank 2	1x1
misfire frequency at which catalyst damage occures bank 1	1x1
misfire frequency at which catalyst damage occures bank 2	1x1
number of speedpulses for calibration of vehicle speed signal	1x1
number of interval misfire frequency at which ti- cutoff	8x1
Number of times clutch is operated for diagnosis clutch switch	1x1
start value for learning filter at fuel-on/fuel-off adaptation	1x1
start value for learning filter at fuel-off adaptation	1x1
number of idling cycles for non-plausibility check of fixed TANS-signal	1x1
number of combustions for deactivation after detected misfire	8x1
number of combustions for deactivation after detected misfire after engine start	1x1
ignition counter limit until STADAP is active	1x1
number of camshaft rotations for healing	1x1
number of camshaft rotations for reactivation the adaptation after disabling	1x1
number of camshaft rotations for reactivation the adaptation after disabling	1x1
number of camshaft rotations the fuel-off adaptation is learning (when ready)	1x1

Amount of dynamic measurement for swinging check of sensor post cat	1x1
number of the injections to fade out	1x1
Max. number of EKP lead times without reaching end of start	1x1
ANZFEHLER	1x1
number of max. short tests requirement during one driving cycle	1x1
Amount of O2 sensor heater coupling post catalyst	1x1
Numbers of sensor heating disconnecting downstream cat	1x1
Max. no. of release attempts at locked intake camshaft	1x1
Number of Ri.calculations downstream catalyst	1x1
Number of Ri.calculations value too high downstream catalyst	1x1
numbers of msl-measurements for evaluation of mean value	1x1
maximum number of tips (one after the other)	1x1
maximum number of tips in one direction (one after the other)	1x1
ANZ_ZRPH	1x1
number of tests to set flag fr stabilized for DTEV	1x1
maximum number of checks at detected fault	1x1
Number of internal tests, catalyst monitoring	1x1
Number of internal tests, cat monitoring during tester mode	1x1
Max. number of tests, cat monitoring	1x1
maximum number of pulses during single-pulse triggering	1x1
threshold number of ti to switch from lamns_w to lamwl_w	12x1
threshold number of ti to switch from lamns_w to lawl_w at cold restart	12x1
Temperature correction for pipe wall from TKATM	1x1
temperature correction of the exhaust model temperature	3x1
additional test delay 100ms task	1x1
additional test delay 10ms task	1x1
additional test delay 20ms task	1x1
additional test delay synchro task	1x1
permissible no. tests for main relay not pulled in %UMAUSC	1x1
fault healing threshold for cyclic RAM check in monitoring function	1x1
fault tolerance threshold for the cyclic RAM check in monitoring function	1x1
fault healing threshold for cyclic ROM check in monitoring function	1x1
RAM data redundancy for AUSZH_T_UM	1x1
fault tolerance threshold for the cyclic ROM check in monitoring function	1x1
maximum number of DTEV checks	1x1
setting value for ackatf in case of powerfail	1x1
No. Camshaft-Revs/Combustions f. reactivation misfire detection a. disablement	1x1
ignition per cylinder for load dynamics => knock detection	16x1
number of ignition per cyl. during knock control load dynamic	16x1
number of ignition for knock control engine speed dynamic	16x1
Extension of suppression of DMD during engine start in number of ignitions	1x1
Changeover of suppression values after engine start in number of ignitions	1x1
maximum number of cylinder with ti- cut off at which catalyst damage occures	1x1
transmission coefficient	1x1
transmission coefficient	1x1
fault debouncing: fault in the message safeguard of the ACC message	1x1
Minimum demand of deceleration from Cruise Control	1x1
max. value for deceleration in case of autom. braking in function monitoring	1x1
upper limit for acceleration while cruise control is active	1x1
lower limit for acceleration while cruise control is active	1x1
fault debouncing: message fault GRA	1x1
max. vehicle acceleration during 0.5 mm diagnosis	1x1
acceleration at accelerating ramp	8x1
Debounce time for operated brake in function monitoring	1x1
Upper ramp limit of deceleration demand of Cruise Control	1x1
acceleration (amount) at tip-down ramp	1x1

acceleration at tip-up ramp	1x1
Debounce time for operated brake in function monitoring	1x1
Debounce time for operated brake in function monitoring	1x1
debounce time for deactivation of autom. braking in function monitoring	1x1
Acceleration for set value adjustment after an acceleration	1x1
Acceleration for set value adjustment after an deceleration	1x1
Characteristic enabling flag B_trkh	8x1
Counter for Buss-off-edges until fault detected	1x1
Debouncing time to reset Bus-off-Error	1x1
BZ_MSR_UC	1x1
BZ_MSR_UM	1x1
Accu. deb. counter: Common value for all faults	1x1
CAN-version	1x1
Conti. deb. counter: Common value for faults	1x1
Combined output: piston displacement	1x1
codeword activation for diagnosis brake booster pump DBKVP	1x1
Dummy: top of table	4x1
code word CARB: Tuningprevention	4x1
CDCADCOD	4x1
CDCBKVP	4x1
Code word CARB: BKVPE (brake booster pump)	4x1
code word CARB: reference mark sensor	4x1
code word CARB: brake pedal sensor	4x1
Code word CARB: pedal moving detection	4x1
Code word CARB: CAN timeout ADR	4x1
CDCCAIR	4x1
CDCCAIRP	4x1
code word CARB: CAN interface, timeout ASC	4x1
code word CARB: CAN interface, timeout ARS	4x1
CDCCBEM	4x1
CDCCBR2	4x1
CDCCBR8	4x1
CDCCDIA1	4x1
CDCCGAT	4x1
code word CARB: CAN interface, timeout transmission control system	4x1
CDCCGRA	4x1
code word CARB: CAN interface, internal fault	4x1
code word CARB: CAN interface, timeout instrument	4x1
code word CARB: CAN interface, timeout AC	4x1
code word CARB: CAN interface, timout message steering angle	4x1
CDCCTOG	4x1
CDCCZAS	4x1
code word CARB: throttle position sensor	4x1
Code word CARB: Throttle Position Poti 1	4x1
Code word CRAB:Throttle Position Poti 2	4x1
CDCDKVS	4x1
CDCDKVS2	4x1
code word CARB: Battery voltage	4x1
Code word CARB: BKV	4x1
code word CARB: Pressure Sensor Ambient	4x1
Code word CARB: DV-E power stage	4x1
Code word CARB: DV-E cause of failure: spring check	4x1
CDCDVEFO	4x1
Code word CARB: DV-E position deviation	4x1
Code word CARB: DV-E cause of failure: limphome position	4x1
Code word CARB: DV-E control range	4x1

CDCDVET	4x1
Code word CARB: DV-E cause of failure: UMA-learning	4x1
CDCDVEUB	4x1
CDCDVEUW	4x1
Code word CARB: DV-E cause of failure: amplifier adjustment	4x1
CDCDYLSU	4x1
CDCDYLSU2	4x1
code word CARB: engine coolant temperature sensor	4x1
code word CARB: charge detection	4x1
code word CARB: camshaft control inlet camshaft	4x1
codeword carb: camshaft control inlet camshaft 2	4x1
code word CARB: Power stage intake camshaft	4x1
code word CARB: Power stage intake camshaft	4x1
Code word CARB: Electronic power control lamp electr. malfunction	4x1
code word CARB: injector 1	4x1
code word CARB: injector 2	4x1
code word CARB: injector 3	4x1
code word CARB: injector 4	4x1
code word CARB: injector 5	4x1
code word CARB: injector 6	4x1
code word CARB: injector 7	4x1
code word CARB: injector 8	4x1
code word CARB: flash-programming	4x1
CDCFMAS	4x1
CDCFMAS2	4x1
Code word CARB: Pedal position Potentiometer Signal 1	4x1
Code word CARB: Pedal position Potentiometer Signal 2	4x1
Code word CARB: Pedal position Potentiometer	4x1
code word CARB: mixture adaptation factor frao	4x1
code word CARB: mixture adaptation factor frao bank 2	4x1
code word CARB: mixture adaptation factor frau	4x1
code word CARB: mixture adaptation factor frau bank 2	4x1
code word CARB: deviation of lambda closed loop control	4x1
code word CARB : deviation of lambda closed loop control bank 2	4x1
CDCGECOD	4x1
Code word CARB: GRA operating-lever fault	4x1
CDCHELSU	4x1
CDCHELSU2	4x1
CDCHFM	4x1
CDCHFME	4x1
CDCHFMR	4x1
Code word CARB: Main relay power stage	4x1
code word CARB: lambda sensor heating downstream cat	4x1
code word CARB: lambda sensor heating downstream cat	4x1
Code word CARB: O2 Sensor Heater power stage	4x1
Code word CARB: O2 Sensor Heater power stage bank 2	4x1
code word CARB: lambda sensor heating upstream cat	4x1
code word CARB: lambda sensor heating upstream cat; (bank2)	4x1
code word CARB: lambda sensor heating power stage upstream cat	4x1
code word CARB: lambda sensor heating2 power stage upstream cat	4x1
CDCICLSU	4x1
CDCICLSU2	4x1
code word CARB: catalyst conversion	4x1
code word CARB: catalyst conversion, cyl.row 2	4x1
Code word CARB: fuel pump relay power stage	4x1
code word CARB: Anti-knock control limit for cylinder 1	4x1

code word CARB: Anti-knock control limit for cylinder 2	4x1
code word CARB: Anti-knock control limit for cylinder 3	4x1
code word CARB: Anti-knock control limit for cylinder 4	4x1
code word CARB: Anti-knock control limit for cylinder 5	4x1
code word CARB: anti-knock control limit for cylinder 6	4x1
code word CARB: anti-knock control limit for cylinder 7	4x1
code word CARB: anti-knock control limit for cylinder 8	4x1
code word CARB: knock control zero test pulse	4x1
code word CARB: knock control offset	4x1
code word CARB: knock control test pulse	4x1
code word CARB: knock sensor 1	4x1
code word CARB: knock sensor 2	4x1
code word CARB: knock sensor 3	4x1
code word CARB: knock sensor 4	4x1
code word CARB: clutch pedal sensor	4x1
code word CARB: lambda sensor aging downstream cat	4x1
code word CARB: lambda sensor aging downstream cat, Cyl.row 2	4x1
code word CARB:	4x1
code word CARB: driver stage of diagnosis leak pump	4x1
code word CARB: idle speed control at limit	4x1
code word CARB: air flow sensor	4x1
code word CARB: lambda sensor downstream catalyst	4x1
code word CARB: lambda sensor downstream catalyst	4x1
CDCLSHV	4x1
CDCLSUIA	4x1
CDCLSUIA2	4x1
CDCLSUIP	4x1
CDCLSUIP2	4x1
CDCLSUKS	4x1
CDCLSUKS2	4x1
CDCLSUUN	4x1
CDCLSUUN2	4x1
CDCLSUVM	4x1
CDCLSUVM2	4x1
code word CARB: lambda sensor upstream cat	4x1
code word CARB: lambda sensor 2 upstream catalyst	4x1
code word CARB: exchanged lambda sensors upstream cat	4x1
CDCLUE1	4x1
CDCLUE2	4x1
code word CARB: output stage fan control	4x1
CDCLUES2E	4x1
Code word CARB: misfire, multiple	4x1
Code word CARB: misfire cyl. 0	4x1
Code word CARB: misfire cyl. 1	4x1
Code word CARB: misfire cylinder 2	4x1
Code word CARB: misfire cylinder 3	4x1
Code word CARB: misfire cylinder 4	4x1
Code word CARB: misfire cylinder 5	4x1
Code word CARB: misfire cylinder 6	4x1
Code word CARB: misfire cylinder 7	4x1
Code word CARB: Target torque limitter	4x1
Code word CARB: active cylinder blank-out through DMD	4x1
code word CARB: MIL not local fixed	4x1
code word CARB: engine mount (output stage)	4x1
code word CARB: engine mount (2nd output stage)	4x1
code word CARB: speed pick up	4x1

code word CARB: alignment between camshaft and crankshaft	4x1
code word CARB: alignment between camshaft 2 and crankshaft	4x1
Code word Carb: Maximum Engine Speed	4x1
code word CARB: phase sensor	4x1
code word CARB: phase sensor 2	4x1
CDCPLLSU	4x1
CDCPLLSU2	4x1
CDCPNKP	4x1
CDCPNKPM	4x1
CDCPUE	4x1
CDCPUR	4x1
CDCPWGDE	4x1
code word CARB: additive adaptive mixture correction rkat	4x1
code word CARB: additive adaptive mixture correction rkat bank 2	4x1
code word CARB: additive adaptive mixture correction rkaz	4x1
code word CARB: additive adaptive mixture correction rkaz bank 2	4x1
CDCSCR	4x1
Code word CARB: Control unit defective (EEPROM)	4x1
Code word CARB: Control unit defective (EEPROM immobiliser)	4x1
code word CARB: secondary air pump (power stage)	4x1
code word CARB: secondary air system	4x1
code word CARB: secondary air system	4x1
code word CARB: sec. air valve	4x1
Code word CARB: Secondary Air Injection Valve bank 2	4x1
code word CARB: secondary air valve 1 (power stage)	4x1
code word CARB: starter activation	4x1
CDCSTAAG	4x1
CDCSTBBT	4x1
CDCSTBLS	4x1
CDCSTECD	4x1
CDCSTESP	4x1
CDCSTILM	4x1
code word CARB: starter control	4x1
CDCSTST1E	4x1
CDCSTST2E	4x1
CDCSTSTR	4x1
code word CARB: driver stage of variable intake manifold	4x1
Code word CARB: variable intake manifold bank 2	4x1
code word CARB: intake air temperature	4x1
Code word CARB: OBDII error due to an empty canister	4x1
code word CARB: canister purge system	4x1
code word CARB: canister purge system - small leak	4x1
code word CARB: canister purge system - rough leak	4x1
code word CARB: canister purge valve power stage	4x1
code word CARB: canister purge valve power stage	4x1
code word CARB: engine thermostat monitoring THM	4x1
code word CARB: engine coolant temperature TMOT	4x1
code word CARB: coolant temperature of instrument panel TMKI	4x1
code word CARB: oil temperature	4x1
code word CARB: ambient (-air) temperature TUM	4x1
CDCTUMP	4x1
code word CARB: battery voltage UB (onboard)	4x1
code word CARB: UBR onboard battery voltage via main relay	4x1
Code word CARB: monitoring of the function: torque comparison	4x1
CDCUFNC	4x1
CDCUFRLIP	4x1

CDCUFSGA	4x1
CDCUFSGB	4x1
Code word CARB: monitoring of the function: safety fuel cut-off	4x1
CDCUFSPSC	4x1
CDCULSU	4x1
CDCULSU2	4x1
Code word CARB: monitoring of the controller: RAM	4x1
Code word CARB: monitoring of the controller: ROM	4x1
Code word CARB: monitoring of the controller: Reset	4x1
code word CARB: vehicle speed signal	4x1
CDCVFZE	4x1
CDCVFZNP	4x1
code word CARB: immobiliser	4x1
code word CARB: Immobiliser RC element	4x1
CDCZET1	4x1
CDCZET2	4x1
CDCZET3	4x1
CDCZET4	4x1
CDCZET5	4x1
CDCZET6	4x1
CDCZET7	4x1
CDCZET8	4x1
code word CARB: output stage relay for auxiliary water pump	4x1
Dummy: end of table	4x1
Code word for %DDSBKV	1x1
Codeword Dynamic diagnosis of LSU	1x1
codeword diagnosis input values air charge determination	1x1
code word for activation of HFM Functions	1x1
code to deactivate and reset the adaptation	1x1
code to deactivate and reset the adaptation	1x1
code word to define mode of fuel-on/-off Adaption	1x1
code word GGGTS (coolant temperature from instrument cluster)	1x1
Codeword Diagnosis of influence of heater on nernst cell	1x1
code word for activation of DHRLSU	1x1
code word for activation of DHRLSUE	1x1
code word heating diagnose after Kat (CDHSH = 0 => no diagnosis)	1x1
Eurobit for output stage diag. of lambda sensor heating downstream of the cat.	1x1
code word heating diagnose upstr. Kat (CDHSV = 0 => no diagnosis)	1x1
Codeword Diagnosis: evaluation IC for universal lambda sensor LSU	1x1
Dummy: top of table	4x1
CDKAATUN	4x1
CDKADCOD	4x1
code word: catalyst diagnosis in OBDII-mode (inverse: European mode)	1x1
code word: catalyst diagnosis in OBDII-mode (invers: European mode)	1x1
catalyst diagnosis, abilily	1x1
CDKBKVP	4x1
CDKBKVPE	4x1
code word customer: reference mark sensor	4x1
code word customer: Brake pedal sensor	4x1
Code word customer: pedal moving detection	4x1
code word customer: CAN- timeout ADR	4x1
CDKCAIR	4x1
CDKCAIRP	4x1
code word customer: CAN interface, timeout ASC	4x1
code word customer: CAN interface, timeout ASR	4x1
CDKCBEM	4x1

CDKCBR2	4x1
CDKCBR8	4x1
CDKCDIA1	4x1
CDKCGAT	4x1
code word customer: CAN interface, timeout EGS	4x1
CDKCGRA	4x1
code word customer: CAN interface, internal fault	4x1
code word customer: CAN-Timeout, instrument panel	4x1
code word customer: CAN interface, timeout AC	4x1
code word customer: CAN interface, timeout message steering angle	4x1
CDKCTOG	4x1
CDKCZAS	4x1
code word customer: throttle position sensor	4x1
code word customer: Throttle Position Poti 1	4x1
Code word customer: Throttle Position Poti 2	4x1
CDKDKVS	4x1
CDKDKVS2	4x1
Codeword customer: Battery voltage	4x1
code word customer: pressure brake booster	4x1
code word customer: Pressure Sensor Ambient	4x1
Code word customer: DV-E power stage	4x1
Code word customer: DV-E cause of failure: spring check	4x1
CDKDVEFO	4x1
Code word customer: DV-E position deviation	4x1
Code word customer: DV-E cause of failure: limphome position	4x1
Code word customer: DV-E control range	4x1
CDKDVET	4x1
Code word customer: DV-E cause of failure: UMA-learning	4x1
CDKDVEUB	4x1
CDKDVEUW	4x1
Code word customer: DV-E cause of failure: amplifier adjustment	4x1
CDKDYLSU	4x1
CDKDYLSU2	4x1
code word customer: engine coolant temperature sensor	4x1
code word customer: charge detection	4x1
code word customer: camshaft control inlet camshaft	4x1
code word customer: camshaft control inlet camshaft 2	4x1
code word customer: Power stage intake camshaft	4x1
code word customer: Power stage intake camshaft bank2	4x1
code word customer: Electronic power control lamp electr. malfunction	4x1
code word customer: injector 1	4x1
code word customer: injector 2	4x1
code word customer: injector 3	4x1
code word customer: injector 4	4x1
Code word customer: injector 5	4x1
code word customer: injector 6	4x1
Code word customer: injector of cyl. 7	4x1
Code word customer: injector of cyl. 8	4x1
code word customer: flash-programming	4x1
CDKFMAS	4x1
CDKFMAS2	4x1
code word customer: Pedal position Potentiometer Signal 1	4x1
code word customer: Pedal position Potentiometer Signal 2	4x1
code word customer: Pedal Position Potentiometer Signal	4x1
Code word customer: mixture adaptation multi. upper threshold	4x1
code word customer: LR- Adaptation multiplicative upper threshold bank 2	4x1

Code word customer: LR- Adaptation multi. lower threshold	4x1
Code word customer: LR- Adaptation multiplicative lower threshold bank 2	4x1
code word customer: lambda closed loop control	4x1
code word customer: deviation of closed loop lambda control of bank 2	4x1
CDKGECOD	4x1
Code word customer: GRA operating-lever fault	4x1
CDKHELSU	4x1
CDKHELSU2	4x1
CDKHFM	4x1
CDKHFME	4x1
CDKHFMR	4x1
Code word customer: main relay power stage	4x1
code word customer: lambda sensor heating downstream cat	4x1
code word customer: lambda sensor heating downstream cat, cyl. row 2	4x1
code word customer: O2 Sensor Heater power stage	4x1
code word customer: O2 Sensor Heater power stage bank 2	4x1
code word customer: lambda sensor heating upstream cat	4x1
code word customer: lambda sensor heating upstream cat, cyl row 2	4x1
code word customer: lambda sensor heating power stage upstream catalyst	4x1
code word customer: 02 Sensor Heater power stage bank 2	4x1
CDKICLSU	4x1
CDKICLSU2	4x1
code word customer: catalyst conversion	4x1
Code word customer: Catalyst conversion (Bank 2)	4x1
Code word customer: fuel pump relay power stage	4x1
code word customer: anti-knock control limit for cylinder 1	4x1
code word customer: anti-knock control limit for cylinder 2	4x1
code word customer: anti-knock control limit for cylinder 3	4x1
code word customer: anti-knock control limit for cylinder 4	4x1
code word customer: anti-knock control limit for cylinder 5	4x1
code word customer: anti-knock control limit for cylinder 6	4x1
code word customer: anti-knock control limit for cylinder 7	4x1
code word customer: anti-knock control limit for cylinder 8	4x1
Code word customer: knock control zero test pulse	4x1
Code word customer: knock control offset	4x1
code word customer: knock control test pulse	4x1
code word customer: knock sensor 1	4x1
code word customer: knock sensor 2	4x1
Code word customer: knock sensor 3	4x1
Code word customer: knock sensor 4	4x1
code word: clutch pedal sensor	4x1
code word customer: aging of oxygen sensor catalyst downstream	4x1
code word customer: aging of oxygen sensor catalyst downstream bank 2	4x1
Code word customer: leakage diagnosis pump	4x1
code word customer: driver stage of diagnosis leak pump [001]	4x1
code word customer: idle speed control at limit	4x1
code word customer: LMM/HLM/HFM	4x1
code word customer: oxygen sensor downstream cat	4x1
code word customer: oxygen sensor downstream cat bank 2	4x1
CDKLSHV	4x1
CDKLSUIA	4x1
CDKLSUIA2	4x1
CDKLSUIP	4x1
CDKLSUIP2	4x1
CDKLSUKS	4x1
CDKLSUKS2	4x1

CDKLSUUN	4x1
CDKLSUUN2	4x1
CDKLSUVM	4x1
CDKLSUVM2	4x1
code word customer: lambda sensor upstream cat	4x1
code word customer: lambda sensor downstream cat	4x1
code word customer: exchanged lambda sensor upstream catalyst	4x1
CDKLUE1	4x1
CDKLUE2	4x1
CDKLUES1E	4x1
CDKLUES2E	4x1
Code word customer: misfire, multiple	4x1
Code word customer: misfire cyl. 0	4x1
Code word customer: misfire cyl. 1	4x1
Code word customer: misfire cylinder 2	4x1
Code word customer: misfire cylinder 3	4x1
Code word customer: misfire cylinder 4	4x1
Code word customer: misfire cylinder 5	4x1
Code word customer: misfire cylinder 6	4x1
Code word customer: misfire cylinder 7	4x1
code word customer: Target torque limitter	4x1
Code word customer: active cylinder blank-out through DMD	4x1
code word customer: MIL not local fixed	4x1
CDKMOSTE	4x1
CDKMOSTE2	4x1
code word customer: speed pick up	4x1
code word customer: aligment between camshaft and cankshaft	4x1
code word customer: aligment between camshaft 2 and cankshaft	4x1
Code word customer: Maximum Engine Speed	4x1
code word customer: phase sensor	4x1
code word customer: phase sensor 2	4x1
CDKPLLSU	4x1
CDKPLLSU2	4x1
CDKPNKP	4x1
CDKPNKPM	4x1
CDKPUE	4x1
CDKPUR	4x1
CDKPWGDE	4x1
code word customer: mixture adaptation additive per time unit	4x1
code word customer: mixture adaptation additive per time unit	4x1
code word customer: mixture adaptation additive per ignition bank 2	4x1
code word customer: mixture adaptation additive per ignition bank 2	4x1
CDKSCR	4x1
Code word costumer: Control unit defective (EEPROM)	4x1
Code word customer: Control unit defective (EEPROM immobiliser)	4x1
code word customer: secondary air pump (power stage)	4x1
code word customer: secondary air system	4x1
code word customer: secondary air system	4x1
code word customer: secondary air valve	4x1
code word customer: secondary air injection valve bank 2	4x1
code word customer: secondary air valve (power stage)	4x1
code word customer: automatic start	4x1
CDKSTAAG	4x1
CDKSTBBT	4x1
CDKSTBLS	4x1
CDKSTECD	4x1

CDKSTESP	4x1
CDKSTILM	4x1
code word customer: starter control	4x1
CDKSTST1E	4x1
CDKSTST2E	4x1
CDKSTSTR	4x1
Code word customer : power stage of variable intake manifold	4x1
code word customer: Intake Manifold Changover Valve Bank 2	4x1
code word customer: intake air temperature	4x1
Code word customer: OBDII error due to an empty canister	4x1
code word customer: canister purge system	4x1
code word customer: evap system monitoring - small leak	4x1
code word customer: evap system monitoring - rough leak	4x1
code word customer: canister purge valve power stage	4x1
code word customer: canister purge valve power stage	4x1
code word customer: Thermostat monitoring THM	4x1
code word customer: engine temperature TMOT	4x1
code word customer: coolant temperature of instrument panal TMKI	4x1
Code word customer: oil temperature	4x1
code word customer: ambient (-air) temperature	4x1
CDKTUMP	4x1
code word customer: power supply voltage UB	4x1
CDKUBR	4x1
Code word customer: monitoring of the function: torque comparison	4x1
CDKUFNC	4x1
CDKUFRLIP	4x1
CDKUFSGA	4x1
CDKUFSGB	4x1
Code word customer: monitoring of the function: safety fuel cut-off	4x1
CDKUFSPSC	4x1
CDKULSU	4x1
CDKULSU2	4x1
Code word customer: monitoring of the controller: RAM	4x1
Code word customer: monitoring of the controller: ROM	4x1
Code word customer: monitoring of the controller: Reset	4x1
code word customer: vehicle speed signal	4x1
CDKVFZE	4x1
CDKVFZNP	4x1
code word: DKVS active/inactive, CD..=0 -> no diagnosis	1x1
code word: DKVSCOMB active/inactive	1x1
code word: DKVSSC active	1x1
code word customer: immobiliser	4x1
code word customer: Immobiliser RC element	4x1
CDKZET1	4x1
CDKZET2	4x1
CDKZET3	4x1
CDKZET4	4x1
CDKZET5	4x1
CDKZET6	4x1
CDKZET7	4x1
CDKZET8	4x1
CDKZWPE	4x1
Dummy: end of table	4x1
code word oxygen sensor aging diagnosis (SHK) in OBDII mode (inv.: Europe mode)	1x1
code word LDP diag. in OBDII mode (inverse: Europe mode), CD..=0 -> no diapos.	1x1
code word DLLR inactive (EURO-coding), CD..=0 -> no diagnosis	1x1

CDLSFHV	1x1
code word lambda sensor diagnosis behind KAT in OBDII-Mode (invers: Europe mode)	1x1
CDLSHV	1x1
code word oxygen sensor diagnosis upstr. KAT in OBDII mode	1x1
code word DMD inactive(EURO-coding), CD..=0 -> no diagnosis	1x1
code word DNWS disable (EURO-coding), CD..=0 -> no diagnosis	1x1
code word there is PCV valve	1x1
Codeword Plausibility check LSU	1x1
Codeword SALSU	1x1
code word secondary air system in OBDII mode (inv: Europe mode)	1x1
code word DSWE inactive (EURO-Coding), CD..=0 -> no diagnosis	1x1
Dummy: top of table	1x1
code word tester: Tuningprevention	1x1
CDTADCOD	1x1
code word DTANKL inactive (EURO-coding), CD..=0 -> no diagnosis	1x1
CDTBKVP	1x1
CDTBKVPE	1x1
code word tester: reference mark sensor	1x1
fault path code: brake pedal sensor	1x1
Code word tester: pedal moving detection	1x1
code word tester: CAN- timeout ADR	1x1
CDTCAIR	1x1
CDTCAIRP	1x1
code word tester: CAN interface, time out ASC [216]	1x1
Codeword Tester: CAN interface, timeout ASR	1x1
CDTCBEM	1x1
CDTCBR2	1x1
CDTCBR8	1x1
CDTCDIA1	1x1
CDTCGAT	1x1
code word tester: CAN interface, timeout EGS [236]	1x1
CDTCGRA	1x1
code word tester: CAN interface, internal fault	1x1
code word tester: CAN-Timeout, Instruments	1x1
code word tester: CAN interface, timeout AC [596]	1x1
CDTCLWS	1x1
CDTCTOG	1x1
CDTCZAS	1x1
code word tester: throttle position potentiometer	1x1
code word tester: Throttle Position Poti 1	1x1
code word tester: Throttle Position Poti 2	1x1
Code word tester: fault from diagnostics of fuel supply system	1x1
Code word tester: fault from diagnostics of fuel supply system	1x1
code word tester: permanent voltage supply	1x1
code word tester: BKV	1x1
code word tester: Pressure Sensor Ambient	1x1
Code word tester: DV-E power stage	1x1
Code word tester: DV-E cause of failure: spring check	1x1
CDTDVEFO	1x1
Code word tester: DV-E position deviation	1x1
Code word tester: DV-E cause of failure: limphome position	1x1
Code word tester: DV-E control range	1x1
CDTDVET	1x1
Code word tester: DV-E cause of failure: UMA-learning	1x1
CDTDVEUB	1x1
CDTDVEUW	1x1

Code word tester: DV-E cause of failure: amplifier adjustment	1x1
CDTDYLSU	1x1
CDTDYLSU2	1x1
code word tester: engine coolant temperature sensor	1x1
code word tester: input values for charge determination	1x1
codeword tester: camshaft control inlet camshaft	1x1
codeword tester: camshaft control inlet camshaft 2	1x1
code word tester: Power stage intake camshaft	1x1
code word tester: Power stage intake camshaft bank2	1x1
code word tester: Electronic power control lamp electr. malfunction	1x1
code word disable canister-purge monitoring (Euro coding), CD..=0 -> no dia.	1x1
code word tester: injection valve of cyl. 1	1x1
code word tester: injection valve of cyl. 2	1x1
code word tester: injection valve of cyl. 3	1x1
code word tester: injection valve of cyl. 4	1x1
code word tester: injection valve of cyl. 5	1x1
code word tester: injection valve of cyl. 6	1x1
code word tester: injection valve of cyl. 7	1x1
code word tester: injection valve of cyl. 8	1x1
code word tester: flash-programming	1x1
CDTFMAS	1x1
CDTFMAS2	1x1
code word tester: pedal position potentiometer signal 1	1x1
code word tester: pedal position potentiometer signal 2	1x1
code word tester: pedal position potentiometer signal	1x1
code word tester: mixture adaptation multi. upper threshold	1x1
code word tester: mixture adaptation multi. upper threshold bank 2	1x1
code word tester: mixture adaptation lower threshold	1x1
code word tester: mixture adaptation lower threshold bank 2	1x1
code word tester: lambda control deviation	1x1
code word tester: lambda control deviation bank 2	1x1
CDTGECOD	1x1
Code word tester: GRA operating-lever	1x1
CDTHELSU	1x1
CDTHELSU2	1x1
CDTHFM	1x1
CDTHFME	1x1
CDTHFMR	1x1
code word tester: main relay power stage	1x1
code word tester: oxygen sensor heater downstream catalyst	1x1
code word tester: oxygen sensor heater downstream catalyst, cyl. row 2	1x1
code word tester: power stage oxygen sensor heater downstream catalyst	1x1
code word tester: power stage oxygen sensor heater2 downstream catalyst	1x1
code word tester: oxygen sensor heater upstream catalyst	1x1
code word tester: oxygen sensor heater upstream catalyst, cyl. row 2	1x1
code word tester: oxygen sensor heater upstream catalyst power stage	1x1
code word tester: power stage oxygen sensor heater2 upstream catalyst	1x1
code word tester: evaluation IC of LSU	1x1
code word tester: evaluation IC of LSU, Bank 2	1x1
code word tester: catalyst deteriorated [040]	1x1
code word tester: catalyst conversion, cyl.row 2 [045]	1x1
Code word tester: fuel pump relay power stage	1x1
CDTKRA01	1x1
CDTKRA02	1x1
CDTKRA03	1x1
CDTKRA04	1x1

CDTKRA05	1x1
CDTKRA06	1x1
CDTKRA07	1x1
CDTKRA08	1x1
code word tester: knock control zero test pulse	1x1
code word tester: knock control offset	1x1
code word tester: knock control test pulse	1x1
code word tester: knock sensor 1	1x1
code word tester: knock sensor 2	1x1
code word tester: knock sensor 3	1x1
code word tester: knock sensor 4	1x1
fault path code: clutch pedal signal	1x1
code word tester: lambda sensor aging downstream catalyst [017]	1x1
code word tester: lambda sensor aging downstream catalyst, cyl.row 2 [023]	1x1
Code word tester: tank ventilation; leakage diagnosis pump	1x1
code word tester: driver stage of diagnosis leak pump	1x1
Code word tester: idle speed control	1x1
code word tester: air-flow sensor/hot-wire air-flow meter	1x1
code word tester: lambda sensor downstream catalyst [012]	1x1
code word tester: lambda sensor 2 downstream catalyst, cyl.row 2 [020]	1x1
CDTLSHV	1x1
code word tester: monitoring lambda sensor wire at bond IA	1x1
code word tester: monitoring lambda sensor wire at bond IA, Bank 2	1x1
CDTLSUIP	1x1
CDTLSUIP2	1x1
CDTLSUKS	1x1
CDTLSUKS2	1x1
code word tester: monitoring lambda sensor wire at bond UN	1x1
code word tester: monitoring lambda sensor wire at bond UN, Bank 2	1x1
code word tester: monitoring lambda sensor wire at bond VM	1x1
code word tester: monitoring lambda sensor wire at bond VM, bank 2	1x1
code word tester: lambda sensor upstream catalyst [010]	1x1
code word tester: lambda sensor 2 upstream catalyst [018]	1x1
code word tester: exchanged lambda sensor upstream catalyst	1x1
CDTLUE1	1x1
CDTLUE2	1x1
code word tester: output stage of fan control 1	1x1
CDTLUES2E	1x1
Code word tester: misfire, multiple	1x1
Code word tester: misfire cyl. 0	1x1
Code word tester: misfire cyl. 1	1x1
Code word tester: misfire cylinder 2	1x1
Code word tester: misfire cylinder 3	1x1
Code word tester: misfire cylinder 4	1x1
Code word tester: misfire cylinder 5	1x1
Code word tester: misfire cylinder 6	1x1
Code word tester: misfire cylinder 7	1x1
code word tester: Target torque limitter	1x1
Code word tester: active cylinder blank-out through DMD	1x1
Code word tester: MIL-extern	1x1
code word tester: engine mount (output stage)	1x1
code word tester: engine mount (2nd output stage)	1x1
code word tester: speed pick up	1x1
code word tester: alignment between camshaft and crankshaft	1x1
code word tester: alignment between camshaft 2 and crankshaft	1x1
code word tester: NMAX - exceeding	1x1

code word tester: phase sensor	1x1
code word tester: phase sensor 2	1x1
CDTPLLSU	1x1
CDTPLLSU2	1x1
CDTPNKP	1x1
CDTPNKPM	1x1
CDTPUE	1x1
CDTPUR	1x1
CDTPWGDE	1x1
code word tester: mixture adaptation additive per time unit	1x1
code word tester: mixture adaptation additive per time unit bank 2	1x1
code word tester: mixture adaptation additive per ignition	1x1
code word tester: mixture adaptation additive per ignition bank 2	1x1
CDTSCR	1x1
code word tester: control unit defective (EEPROM) [105]	1x1
Code word tester: Control unit defective (EEPROM immobiliser)	1x1
code word tester: secondary air pump (power stage)	1x1
Code word tester: Secondary air system	1x1
Code word tester: Secondary air system, bank 2	1x1
code word tester: secondary air valve	1x1
code word tester: secondary air valve, bank 2	1x1
code word tester: secondary air valve (power stage)	1x1
code word tester: starter activation [237]	1x1
CDTSTAAG	1x1
CDTSTBBT	1x1
CDTSTBLS	1x1
CDTSTECD	1x1
CDTSTESP	1x1
CDTSTILM	1x1
code word tester: starter control	1x1
CDTSTST1E	1x1
CDTSTST2E	1x1
CDTSTSTR	1x1
code word tester: driver stage of variable intake manifold	1x1
code word tester: Intake Manifold Changover Valve Bank 2	1x1
code word tester: intake-air temperature	1x1
Code word tester: OBDII error due to an empty canister	1x1
code word tester: canister purge system	1x1
code word tester: evap system monitoring - small leak	1x1
code word tester: evap system monitoring - rough leak	1x1
code word tester: canister purge valve (power stage)	1x1
code word tester: canister purge valve (power stage)	1x1
code word tester: thermostat monitoring THM	1x1
code word tester: engine temperature	1x1
code word tester: coolant temperature of instrument panel TMKI	1x1
code word tester: oil temperature	1x1
code word tester: ambient (-air) temperature	1x1
CDTTUMP	1x1
code word tester: power supply voltage UB	1x1
code word tester: UBR power supply voltage via main relay	1x1
Code word tester: monitoring of the function: torque comparison	1x1
CDTUFNC	1x1
CDTUFRLIP	1x1
CDTUFSGA	1x1
CDTUFSGB	1x1
Code word tester: monitoring of the function: safety fuel cut-off	1x1

CDTUFSPSC	1x1
CDTULSU	1x1
CDTULSU2	1x1
Code word tester: monitoring of the controller: RAM	1x1
Code word tester: monitoring of the controller: ROM	1x1
Code word tester: monitoring of the controller: Reset	1x1
code word tester: vehicle speed signal	1x1
CDTVFZE	1x1
CDTVFZNP	1x1
code word tester: immobiliser [039]	1x1
code word tester: Immobiliser RC element	1x1
CDTZET1	1x1
CDTZET2	1x1
CDTZET3	1x1
CDTZET4	1x1
CDTZET5	1x1
CDTZET6	1x1
CDTZET7	1x1
CDTZET8	1x1
code word tester: output stage relay for auxiliary water pump	1x1
Dummy: end of table	1x1
Codeword Voltage diagnosis of LSU	1x1
Gear detection for compressor shutdown at full throttle	1x1
Gear detection during acceleration	1x1
Code word: Selection for gear detection for compr. shutdown (gangi or nmot/vfzw)	1x1
Codewort	1x1
Codewort	1x1
Comp. ID f. test dynamic homogeneous mode of LSU	1x1
Comp. ID f. test dynamic homogeneous mode of LSU bank 2	1x1
Comp. ID f. test dynamic homogeneous mode of LSU (short-trip)	1x1
Comp. ID f. test dynamic homogeneous mode of LSU (short-trip) b2	1x1
Comp. ID f. test dynamic homogeneous mode of LSU (reduced)	1x1
Comp. ID f. test dynamic homogeneous mode of LSU (reduced) b2	1x1
Component ID for test Heater power of LSU	1x1
Component ID for test Heater power of LSU bank 2	1x1
Component Identifier for cat. monitoring	1x1
Component Identifier for cat. monitoring	1x1
Component Identifier for cat. monitoring,bank2	1x1
Component Identifier for cat. monitoring,bank2	1x1
Component Identifier for cat. monitoring	1x1
Component Identifier for cat. monitoring	1x1
Component Identifier for cat. monitoring	1x1
Component Identifier for cat. monitoring	1x1
Component Identifier for cat. monitoring during tester operation	1x1
Component Identifier for cat. monitoring during tester operation	1x1
Component Identifier for cat. monitoring during tester operation, bank2	1x1
Component Identifier for cat. monitoring during tester operation, bank2	1x1
Comp. ID f. oscillation test LS downstream cat.	1x1
Comp. ID f. oscillation test LS downstream cat. bank 2	1x1
Comp. ID f. oscillation test (lean) LS downstream cat.	1x1
Comp. ID f. oscillation test (lean) LS downstream cat. bank 2	1x1
Comp. ID f. test heater power of lambda sensor downstr. cat.	1x1
Comp. ID f. test heater power of lambda sensor downstr. cat. bank 2	1x1
Component ID for sensor voltage downstream pre catalyst after fuel cut-off	1x1
Component ID for sensor voltage downstream pre catalyst after fuel cut-off bank2	1x1
30th line of classtable	18x1

31st line of classtable	18x1
32nd line of classtable	18x1
33rd line of classtable	18x1
34th line of classtable	18x1
35th line of classtable	18x1
36th line of classtable	18x1
37th line of classtable	18x1
38th line of classtable	18x1
39th line of classtable	18x1
Dummy: top of table	1x1
error class: Tuningprevention	1x1
Fault class: CAN interface message information fault	1x1
Fault class: brake booster pump	1x1
Fault class: brake booster pump power stage	1x1
fault class: reference mark sensor	1x1
fault class: brake pedal sensor	1x1
Fault class: pedal moving detection	1x1
error class: CAN- timeout ADR	1x1
Fault class: : airbag message	1x1
Fault class: : non-plausible airbag message	1x1
fault class: timeout asc-message	1x1
fault class: CAN interface, timeout ASR	1x1
CLACBEM	1x1
Fault class: : brake 2 message	1x1
CLACBR8	1x1
Fault class: : diagnose_1 message	1x1
Fault class: gateway message	1x1
fault class: CAN interface, timeout EGS	1x1
Fault class: CAN interface timeout message GRA	1x1
fault class: CAN interface, internal fault	1x1
fault class: CAN interface, timeout instruments	1x1
Fault class: message Clima (CAN)	1x1
fault class: CAN interface, timeout message steering angle	1x1
CLACTOG	1x1
CLACZAS	1x1
error class: throttle position potentiometer	1x1
error class: Throttle Position Poti 1	1x1
error class: Throttle Position Poti 2	1x1
Fault class: fault from diagnostics of fuel supply system	1x1
Fault class: fault from diagnostics of fuel supply system	1x1
error class: permanent voltage supply	1x1
error class: BKV	1x1
fault class: ambient pressure sensor	1x1
Fault class: DV-E power stage	1x1
Fault class: DV-E cause of failure: spring check	1x1
Fault class: DV-E cause of failure: spring check	1x1
Fault class: DV-E position deviation	1x1
Fault class: DV-E cause of failure: limphome position	1x1
Fault class: DV-E control range	1x1
error class: Evaporative Emission Control Valve Pressure Sensor	1x1
Fault class: DV-E cause of failure: UMA-learning	1x1
error class: Evaporative Emission Control Valve Pressure Sensor	1x1
error class: Evaporative Emission Control Valve Pressure Sensor	1x1
Fault class: DV-E cause of failure: amplifier adjustment	1x1
Fault class: diagnosis dynamic of LSU	1x1
Fault class: diagnosis dynamic of LSU, bank 2	1x1

error class: engine coolant temperature sensor	1x1
fault class: charge detection	1x1
failure class: camshaft control inlet camshaft	1x1
failure class: camshaft control inlet camshaft 2	1x1
fault class: Power stage intake camshaft	1x1
fault class: Power stage intake camshaft bank2	1x1
error class: Electronic power control lamp electr. malfunction	1x1
error class: injector power stage 1	1x1
error class: injector power stage 2	1x1
error class: injector power stage 3	1x1
error class: injector power stage 4	1x1
error class: injector power stage 5	1x1
error class: injector power stage 6	1x1
error class: injector power stage 7	1x1
error class: injector power stage 8	1x1
fault class: flash-programming	1x1
Fault class: sg-internal fault path number: summary fault mixture adaptation	1x1
Fault class: sg-internal fault path number: summary fault mixture adaptation (ba	1x1
error class: Pedal position Potentiometer Signal 1	1x1
error class: Pedal position Potentiometer Signal 2	1x1
error class: Pedal Position Potentiometer Signal	1x1
fault class: mixture adaptation upper range	1x1
fault class: mixture adaptation upper range bank 2	1x1
fault class: mixture adaptation lower range	1x1
fault class: mixture adaptation lower range bank 2	1x1
fault class: deviation of lambda loop control	1x1
fault class: deviation of lambda loop control	1x1
CLAGECOD	1x1
Fault class: GRA- operating-lever	1x1
Fault class: diagnosis of interfering of heater of LSU	1x1
Fault class: diagnosis of interfering of heater of LSU, bank2	1x1
Fault class: HFM	1x1
Fault class: HFME	1x1
Fault class: HFMR	1x1
Fault class: main relay - powerstage	1x1
Fault class: Heating, lambda sensor downstream of catalytic converter	1x1
Fault class: Heating, lambda sensor 2 downstream of catalytic converter	1x1
fault class: power stage oxygen sensor heater downstream catalyst	1x1
fault class: O2 Sensor Heater power stage bank 2	1x1
fault class: heating of O2 sensor upstream cat	1x1
fault class: heating of O2 sensor upstream cat bank 2	1x1
fault class: O2 Sensor Heater power stage bank 1	1x1
fault class: O2 Sensor Heater power stage bank 2	1x1
fault class: evaluation IC of LSU	1x1
fault class: evaluation IC of LSU, bank 2	1x1
Error class: catalyst	1x1
Error class: catalyst bank 2	1x1
Error class: fuel pump relay power stage	1x1
fault class: anti-knock control limit for cylinder 1	1x1
fault class: anti-knock control limit for cylinder 2	1x1
fault class: anti-knock control limit for cylinder 3	1x1
fault class: anti-knock control limit for cylinder 4	1x1
fault class: anti-knock control limit for cylinder 5	1x1
fault class: anti-knock control limit for cylinder 6	1x1
fault class: anti-knock control limit for cylinder 7	1x1
fault class: anti-knock control limit for cylinder 8	1x1

fault class: knock control zero test	1x1
fault class: knock control offset	1x1
fault class: knock control test pulse	1x1
fault class: knock sensor 1	1x1
fault class: knock sensor 2	1x1
fault class: knock sensor 3	1x1
fault class: knock sensor 4	1x1
fault class: clutch pedal sensor	1x1
fault class: O2 sensor aging post cat	1x1
Fault class: Lambda-sensor aging downstream of catalytic converter, bank 2	1x1
fault class: leak detection pump	1x1
fault class: leak detection pump power stage	1x1
Fault class: idle speed control	1x1
fault class: main load sensor	1x1
fault class: O2 sensor downstream catalyst	1x1
fault class: O2 sensor downstream catalyst bank 2	1x1
Fault class: lambda sensor exchange downstream catalyst	1x1
fault class: monitoring lambda sensor wire at bond IA	1x1
fault class: monitoring lambda sensor wire at bond IA, bank 2	1x1
Fault class: monitoring of sensor wire at bond IP of LSU	1x1
Fault class: monitoring of sensor wire at bond IP of LSU, Bank 2	1x1
Fault class: Short circuit to mass/Ubat of sensor lines	1x1
Fault class: Short circuit to mass/Ubat of sensor lines	1x1
fault class: monitoring lambda sensor wire at bond UN	1x1
fault class: monitoring lambda sensor wire at bond UN, bank 2	1x1
fault class: monitoring lambda sensor wire at bond VM	1x1
fault class: monitoring lambda sensor wire at bond VM, bank 2	1x1
fault class: O2 sensor pre cat	1x1
fault class: O2 sensor bank 2 pre cat	1x1
fault class: exchanged lambda sensors upstream cat	1x1
Fault class: Control unit int. fault path no.: cooler fan control unit fan 1	1x1
Fault class: Control unit int. fault path no.: cooler fan control unit fan 2	1x1
fault class: output stge fan control 1	1x1
Fault class: Control unit int. fault path no.: fan control 2 power stage	1x1
Fault class: misfire, multiple	1x1
Fault class: misfire cyl. 0	1x1
Fault class: misfire cyl. 1	1x1
Fault class: misfire cylinder 2	1x1
Fault class: misfire cylinder 3	1x1
Fault class: misfire cylinder 4	1x1
Fault class: misfire cylinder 5	1x1
Fault class: misfire cylinder 6	1x1
Fault class: misfire cylinder 7	1x1
error class: Target torque limitter	1x1
Fault class: active cylinder blank-out through DMD	1x1
fault class: MIL request	1x1
fault class: engine mount output stage	1x1
fault class: engine mount 2nd output stage	1x1
fault class: speed sensor	1x1
fault class: alignment between camshaft and crankshaft	1x1
fault class: alignment between camshaft 2 and crankshaft	1x1
error class: Maximum Engine Speed	1x1
fault class: phase sensor	1x1
fault class: phase sensor 2	1x1
Fault class: diagnosis of plausibility of LSU	1x1
Fault class: diagnosis of plausibility of LSU, Bank 2	1x1

Fault class: PNKP wire	1x1
Fault class: Motronic PNKP-HW path	1x1
error class: Environment Pressure Sensor electrical	1x1
error class: Environment Pressure Sensor raw value	1x1
Fault class: no. accelerator pedal sensor drift recognition	1x1
fault class: mixture adaptation additive range per time unit	1x1
fault class: mixture adaptation additive range per time unit bank 2	1x1
fault class: mixture adaptation additive range per ignition	1x1
fault class: mixture adaptation additive range per ignition bank 2	1x1
Fault class: : crash disactivation	1x1
error class: Control unit defective (EEPROM)	1x1
error class: Control unit defective (EEPROM Immobiliser)	1x1
fault class: secondary air pump power stage	1x1
error class: Secondary air system	1x1
error class: secondary air system	1x1
error class: secondary air valve	1x1
error class: secondary air injection valve bank 2	1x1
fault class: secondary air valve power stage	1x1
error class: automatic start	1x1
Fault class: status trailer coupling unit (AAG)	1x1
Fault class: status brake temperature from the brake	1x1
Fault class: status brake light switch	1x1
Fault class: status elevtronically controlled deceleration (ECD)	1x1
Fault class: status ESP	1x1
Fault class: status intelligent power module (ILM)	1x1
error class: starter control	1x1
Fault class: power stage 1 of starter control	1x1
Fault class: power stage 2 of starter control	1x1
Fault class: Starter-control-relay	1x1
fault class: power stage of variable intake manifold	1x1
error class: Intake Manifold Changover Valve Bank 2	1x1
error class: intake air temperature TANS	1x1
Fault class : tankl	1x1
fault class: evap system monitoring, PCV stuck open	1x1
fault class: evap system monitoring, small leak	1x1
fault class: evap system monitoring, rough leak	1x1
fault class: canister purge valve power stage	1x1
error class: canister purge valve power stage	1x1
error class: thermostat monitoring THM	1x1
error class: engine coolant temperature TMOT	1x1
error class: coolant temperature of instrument panel TMKI	1x1
error class: (engine-) oil temperature TOL	1x1
error class: ambient (-air) temperature TUM	1x1
error class: Plausibility Environment Temperature Sensor	1x1
error class: battery voltage UB (onboard)	1x1
error class: UBR onboard battery voltage via main relay	1x1
Fault class: monitoring of the function: torque comparison	1x1
Fault class: function monitoring:	1x1
Fault class: function monitoring: load sensor, cable, ECU	1x1
Fault class: function monitoring: fault of ECU group a	1x1
Fault class: function monitoring: fault of ECU group b	1x1
Fault class: monitoring of the function: safety fuel cut-off	1x1
Fault class: function monitoring:fault of accel. pedal, cable, ECU	1x1
Fault class: voltage diagnosis of LSU	1x1
Fault class: voltage diagnosis of LSU, bank 2	1x1
Fault class: monitoring of the controller: RAM	1x1

Fault class: monitoring of the controller: ROM	1x1
Fault class: monitoring of the controller: Reset	1x1
fault class: vehicle speed	1x1
Fault class: electrical fault in vehicle speed signal	1x1
Fault class: not plausible vehicle speed signal	1x1
fault class: immobilizer	1x1
fault class: Immobilizer RC element	1x1
error class: Evaporative Emission Control Valve Pressure Sensor	1x1
error class: Evaporative Emission Control Valve Pressure Sensor	1x1
error class: Evaporative Emission Control Valve Pressure Sensor	1x1
CLAZET4	1x1
CLAZET5	1x1
CLAZET6	1x1
CLAZET7	1x1
CLAZET8	1x1
fault class: output stage relay for auxiliary water pump	1x1
Dummy: end of table	1x1
CLDPAAV	1x1
Code word DLDP-TEV- check	1x1
Code word DLDP-TEV- check	1x1
code word for operation modi of lambda controlller	1x1
code word for operation modi of lambda controlller	1x1
code word for release of LRHSK and selection of initialisation	1x1
code word II for release of LRHSK and selection of initialisation	1x1
code word for configuration of release conditions of LRHSKEB	1x1
Code-word function mode catalyst O2 purging	1x1
Code word for LSD switch-off with heat catalyst	1x1
product from mass and thermal capacity of front catalysator	1x1
Configuration flag for the evaluation of the cluch switch in the ISC	1x1
Config.-byte for dtermination of target engine speed at idle	1x1
Codeword to configure the function MDVER	1x1
Codeword for the computation of MDWAN in the ISC	1x1
Codeword to allow for the steering angle	1x1
code word low-octane gasoline	1x1
CNSDEF	1x1
CNSDEF	1x1
CNSDEF	1x1
upper limit value adjustment of code word desired idle speed switch-over	1x1
upper limit value adjustment of code word desired idle speed switch-over	1x1
lower limit value adjustment of code word desired idle speed switch-over	1x1
lower limit value adjustment of code word desired idle speed switch-over	1x1
Value accumulated if there is a tooth correction	1x1
Initializing value for the counter of tooth corrections	1x1
Maximum value of the counter for tooth correction	1x1
Lean threshold for oxygen concentration	1x1
Rich threshold for oxygen concentration	1x1
Code word for switching DKVS from HFM- to pressure controlled system	1x1
code word for reduction step on/off	1x1
CSADR	1x1
desired check sum of the airbag message	1x1
desired value of checksum for CAN-message Energiemanager	1x1
desired check sum of the brake 5 message	1x1
desired check sum of the brake 8 message	1x1
desired check sum of the gear 3 message	1x1
check sum for GRA-CAN message	1x1
code word for adaptation of transient control	1x1

Codeword for clear adaptation values in case of clear FSP	1x1
run-out position is calculated	1x1
code word for starter enabling	1x1
Code for function APP2SV	1x1
Codeword for test/application of function %TKAA	1x1
Code word anti jerk function	1x1
CWAU2	1x1
Code word for change-over downhill recognition usw.	1x1
CWBBDECJ	1x1
Codeword for %BBDSLS	1x1
CWBBGANG	1x1
Code word for %BBKD	1x1
Codeword for %BGDSLS	1x1
CWBGELSV	1x1
CWBGELSV	1x1
code word for BGFKMS	1x1
code word BGMIL	1x1
code word for BGRLFGZS	1x1
Code word configuration function BGRLP	1x1
Code word for soak time determination	1x1
Code word for %BGWPFGR	1x1
Code word configuration function BGWPR	1x1
code word for brake booster	1x1
CWBUSOFF	1x1
Code word for deactivation of movement detection	1x1
Code-word for configuration of CAN-Receivemessages	1x1
code word for automatic instrument-message detection	1x1
code word for automatic instrument-message detection	1x1
Code word for automatic detection of LWS-message	1x1
code word to form the CAN output torque indications not exact	1x1
code word for Audi/VW CAN output	1x1
code word for Audi/VW CAN output	1x1
code word for Audi/VW CAN output	1x1
code word for the switch-over of the CDCs to the respective market	1x1
Code word to receive the CAN message Kombi1	1x1
CWCMOT5	1x1
code word for maintenance interval prolongation	1x1
code word for maintenance interval prolongation	1x1
Code word for analysis of the CAN crash information	1x1
Code word for analysis of the CAN crash information	1x1
Code word for analysis of the CAN crash information	1x1
code word DMDMIL durability run counter	1x1
code word for diagnosis brake booster (DBKVP)	1x1
code word for output option of %DCCFLR	1x1
code word for switch of the %DEGFE-inputs	1x1
configuration for AU621	1x1
configuration for AU621	1x1
Code word: bit-coded activation of the DFPM subfunctions	1x1
codeword DHELSU	1x1
Code word in DHFM	1x1
Code word in DHFMPL to switch Inhibit Condition	1x1
Code word in DHHLSHK	1x1
Code word for release of DHRLSU	1x1
Code word Diagnosis DICLSU	1x1
codeword for catalyst monitoring %DKATSP	1x1
Internal code word for %DKATSPEB	1x1

CWDKMTR	1x1
Codeword: Application supply DK at air in limphome position	1x1
code word: kc-diagnosis integrator gradient	1x1
code word: kc-diagnosis reset value	1x1
code word: kc-diagnosis testpulse	1x1
code word: kc-diagnosis testpulse	1x1
code word: knock sensor diagnosis, sensor 1	1x1
code word: knock sensor diagnosis sensor 2	1x1
code word: knock sensor diagnosis, sensor 3	1x1
code word: knock sensor diagnosis, sensor 4	1x1
codewort for error disenable in dkvs if there are another faults in System	1x1
Codeword : Request for stabilizing adaptation in load-/speed window activ	1x1
Code word leakage diagnosis DLDP	1x1
code word : there is DLDP in system	1x1
Codeword: DLR-small-I-quota is activ	1x1
code word CWDLSAHK for test aging of O2-sensor post cat	1x1
Code word for short trip O2-sensor post cat (only for application)	1x1
code word for DLSU	1x1
code word for EOBD-application DMDMIL	1x1
Codeword for DFP_MDFC.	1x1
code word DMDZAG configuration	1x1
code word software switch for slope limitation	1x1
code word: deactivation of diagnosis overspeed	1x1
Codeword to choose DSLS (active and/or passive)	1x1
CWDTDW	1x1
Application code word for DTEV always active and switching between HFM and P-sys	1x1
code word DTEV	1x1
code word for function DTHM	1x1
code word for function DTHM	1x1
Codeword DV-E opening spring-check	1x1
Code word for diagnosis of vehicle speed signal	1x1
Code word 2 for diagnosis of vehicle speed signal	1x1
Codeword for selection of misfire fault codes for output to scan tool	1x1
enable codeword restart fuel feed	1x1
codeword injection valve cutoff	1x1
Code word: short trip requests indication group 107	1x1
Additon: code word short trip requests indication group 107	1x1
Addition: code word B short trip requests indication group 107	1x1
Code word: short trip requests indication group 108	1x1
Addition: code word short trip requests indication group 108	1x1
Addition: code word B short trip requests indication group 108	1x1
Code word: short trip requests indication group 109	1x1
Addition: code word short trip requests indication group 109	1x1
Addition: code word B short trip requests indication group 109	1x1
Code word: short trip requests indication group 130	1x1
Addition: code word short trip requests indication group 130	1x1
Addition: code word B short trip requests indication group 130	1x1
Code word: short trip requests indication group 140	1x1
Addition: code word short trip requests indication group 140	1x1
Addition: code word B short trip requests indication group 140	1x1
Code word: short trip requests indication group 145	1x1
Addition: code word short trip requests indication group 145	1x1
Addition: code word B short trip requests indication group 145	1x1
Code word: short trip requests indication group 146	1x1
Addition: code word short trip requests indication group 146	1x1
completion code word B for request of quick trip display group 146	1x1

Code word: short trip requests indication group 147	1x1
Addition: code word short trip requests indication group 147	1x1
completion code word B for request of quick trip display group 147	1x1
Code word: short trip requests indication group 148	1x1
Addition: code word short trip requests indication group 148	1x1
completion code word B for request of quick trip display group 148	1x1
Code word: short trip requests indication group 149	1x1
Addition: code word short trip requests indication group 149	1x1
completion code word B for request of quick trip display group 149	1x1
Code word: short trip requests indication group 152	1x1
Addition: code word short trip requests indication group 152	1x1
completion code word B for request of quick trip display group 152	1x1
code word short trip requests indication group 162	1x1
Addition: code word short trip requests indication group 162	1x1
Addition: code word B short trip requests indication group 162	1x1
code word short trip requests indication group 163	1x1
Addition: code word short trip requests indication group 163	1x1
Addition: code word B short trip requests indication group 163	1x1
Code word: short trip requests indication group 166	1x1
completion code word for request of quick trip display group 166	1x1
completion code word B for request of quick trip display group 166	1x1
Code word: short trip requests indication group 167	1x1
completion code word for request of quick trip display group 167	1x1
completion code word B for request of quick trip display group 167	1x1
Code word: short trip requests indication group 168	1x1
completion code word for request of quick trip display group 168	1x1
completion code word B for request of quick trip display group 168	1x1
code word: request of quick trip display group 190	1x1
completion code word for request of quick trip display group 190	1x1
completion code word B for request of quick trip display group 190	1x1
code word: request of quick trip display group 191	1x1
completion code word for request of quick trip display group 191	1x1
completion code word B for request of quick trip display group 191	1x1
code word: request of quick trip display group 192	1x1
completion code word for request of quick trip display group 192	1x1
completion code word B for request of quick trip display group 192	1x1
code word: request of quick trip display group 193	1x1
completion code word for request of quick trip display group 193	1x1
completion code word B for request of quick trip display group 193	1x1
code word: request of quick trip display group 194	1x1
completion code word for request of quick trip display group 194	1x1
completion code word B for request of quick trip display group 194	1x1
code word: request of quick trip display group 195	1x1
completion code word for request of quick trip display group 195	1x1
completion code word B for request of quick trip display group 195	1x1
code word: request of quick trip display group 196	1x1
completion code word for request of quick trip display group 196	1x1
completion code word B for request of quick trip display group 196	1x1
code word: request of quick trip display group 197	1x1
completion code word for request of quick trip display group 197	1x1
completion code word B for request of quick trip display group 197	1x1
code word: request of quick trip display group 198	1x1
completion code word for request of quick trip display group 198	1x1
completion code word B for request of quick trip display group 198	1x1
code word: request of quick trip display group 199	1x1
completion code word for request of quick trip display group 199	1x1

completion code word B for request of quick trip display group 199 1x1
code word: request of quick trip display group 201 1x1
completion code word for request of quick trip display group 201 1x1
completion code word B for request of quick trip display group 201 1x1
code word: request of quick trip display group 202 1x1
completion code word for request of quick trip display group 202 1x1
completion code word B for request of quick trip display group 202 1x1
code word: request of quick trip display group 203 1x1
completion code word for request of quick trip display group 203 1x1
completion code word B for request of quick trip display group 203 1x1
code word: request of quick trip display group 204 1x1
completion code word for request of quick trip display group 204 1x1
completion code word B for request of quick trip display group 204 1x1
code word: request of quick trip display group 205 1x1
completion code word for request of quick trip display group 205 1x1
completion code word B for request of quick trip display group 205 1x1
code word: request of quick trip display group 206 1x1
completion code word for request of quick trip display group 206 1x1
completion code word B for request of quick trip display group 206 1x1
code word: request of quick trip display group 207 1x1
completion code word for request of quick trip display group 207 1x1
completion code word B for request of quick trip display group 207 1x1
code word: request of quick trip display group 208 1x1
completion code word for request of quick trip display group 208 1x1
completion code word B for request of quick trip display group 208 1x1
code word: request of quick trip display group 209 1x1
completion code word for request of quick trip display group 209 1x1
completion code word B for request of quick trip display group 209 1x1
code word: request of quick trip display group 210 1x1
completion code word for request of quick trip display group 210 1x1
completion code word B for request of quick trip display group 210 1x1
code word: request of quick trip display group 211 1x1
completion code word for request of quick trip display group 211 1x1
completion code word B for request of quick trip display group 211 1x1
code word: request of quick trip display group 212 1x1
completion code word for request of quick trip display group 212 1x1
completion code word B for request of quick trip display group 212 1x1
code word: request of quick trip display group 213 1x1
completion code word for request of quick trip display group 213 1x1
completion code word B for request of quick trip display group 213 1x1
code word: request of quick trip display group 214 1x1
completion code word for request of quick trip display group 214 1x1
completion code word B for request of quick trip display group 214 1x1
code word: request of quick trip display group 215 1x1
completion code word for request of quick trip display group 215 1x1
completion code word B for request of quick trip display group 215 1x1
code word: request of quick trip display group 216 1x1
completion code word for request of quick trip display group 216 1x1
completion code word B for request of quick trip display group 216 1x1
code word: request of quick trip display group 217 1x1
completion code word for request of quick trip display group 217 1x1
completion code word B for request of quick trip display group 217 1x1
code word: request of quick trip display group 218 1x1
completion code word for request of quick trip display group 218 1x1
completion code word B for request of quick trip display group 218 1x1
code word: request of quick trip display group 219 1x1

completion code word for request of quick trip display group 219	1x1
completion code word B for request of quick trip display group 219	1x1
code word: request of quick trip display group 220	1x1
completion code word for request of quick trip display group 220A	1x1
completion code word B for request of quick trip display group 220	1x1
code word: request of quick trip display group 221	1x1
completion code word for request of quick trip display group 221A	1x1
completion code word B for request of quick trip display group 221	1x1
code word: request of quick trip display group 222	1x1
completion code word for request of quick trip display group 222A	1x1
completion code word B for request of quick trip display group 222	1x1
code word: request of quick trip display group 223	1x1
completion code word for request of quick trip display group 223A	1x1
completion code word B for request of quick trip display group 223	1x1
code word: request of quick trip display group 224	1x1
completion code word for request of quick trip display group 224A	1x1
completion code word B for request of quick trip display group 224	1x1
code word: request of quick trip display group 225	1x1
completion code word for request of quick trip display group 225A	1x1
completion code word B for request of quick trip display group 225	1x1
code word: request of quick trip display group 226	1x1
completion code word for request of quick trip display group 226A	1x1
completion code word B for request of quick trip display group 226	1x1
code word: request of quick trip display group 227	1x1
completion code word for request of quick trip display group 227A	1x1
completion code word B for request of quick trip display group 227	1x1
code word: request of quick trip display group 228	1x1
completion code word for request of quick trip display group 228A	1x1
completion code word B for request of quick trip display group 228	1x1
code word: request of quick trip display group 229	1x1
completion code word for request of quick trip display group 229A	1x1
completion code word B for request of quick trip display group 229	1x1
code word: request of quick trip display group 230	1x1
completion code word for request of quick trip display group 230A	1x1
completion code word B for request of quick trip display group 230	1x1
code word: request of quick trip display group 231	1x1
completion code word for request of quick trip display group 231A	1x1
completion code word B for request of quick trip display group 231	1x1
code word: request of quick trip display group 232	1x1
completion code word for request of quick trip display group 232A	1x1
completion code word B for request of quick trip display group 232	1x1
code word: request of quick trip display group 233	1x1
completion code word for request of quick trip display group 233A	1x1
completion code word B for request of quick trip display group 233	1x1
code word: request of quick trip display group 234	1x1
completion code word for request of quick trip display group 234A	1x1
completion code word B for request of quick trip display group 234	1x1
code word: request of quick trip display group 235	1x1
completion code word for request of quick trip display group 235A	1x1
completion code word B for request of quick trip display group 235	1x1
code word: request of quick trip display group 236	1x1
completion code word for request of quick trip display group 236A	1x1
completion code word B for request of quick trip display group 236	1x1
code word: request of quick trip display group 237	1x1
completion code word for request of quick trip display group 237A	1x1
completion code word B for request of quick trip display group 237	1x1

code word: request of quick trip display group 238	1x1
completion code word for request of quick trip display group 238A	1x1
completion code word B for request of quick trip display group 238	1x1
code word: request of quick trip display group 239	1x1
completion code word for request of quick trip display group 239A	1x1
completion code word B for request of quick trip display group 239	1x1
code word: request of quick trip display group 240	1x1
completion code word for request of quick trip display group 240A	1x1
completion code word B for request of quick trip display group 240	1x1
code word: request of quick trip display group 241	1x1
completion code word for request of quick trip display group 241A	1x1
completion code word B for request of quick trip display group 241	1x1
code word: request of quick trip display group 242	1x1
completion code word for request of quick trip display group 242A	1x1
completion code word B for request of quick trip display group 242	1x1
code word: request of quick trip display group 243	1x1
completion code word for request of quick trip display group 243A	1x1
completion code word B for request of quick trip display group 243	1x1
code word: request of quick trip display group 244	1x1
completion code word for request of quick trip display group 244A	1x1
completion code word B for request of quick trip display group 244	1x1
code word: request of quick trip display group 245	1x1
completion code word for request of quick trip display group 245A	1x1
completion code word B for request of quick trip display group 245	1x1
code word: request of quick trip display group 246	1x1
completion code word for request of quick trip display group 246A	1x1
completion code word B for request of quick trip display group 246	1x1
code word: request of quick trip display group 247	1x1
completion code word for request of quick trip display group 247A	1x1
completion code word B for request of quick trip display group 247	1x1
code word: request of quick trip display group 248	1x1
completion code word for request of quick trip display group 248A	1x1
completion code word B for request of quick trip display group 248	1x1
code word: request of quick trip display group 249	1x1
completion code word for request of quick trip display group 249A	1x1
completion code word B for request of quick trip display group 249	1x1
code word: request of quick trip display group 250	1x1
completion code word for request of quick trip display group 250A	1x1
completion code word B for request of quick trip display group 250	1x1
code word: request of quick trip display group 251	1x1
completion code word for request of quick trip display group 251A	1x1
completion code word B for request of quick trip display group 251	1x1
code word: request of quick trip display group 252	1x1
completion code word for request of quick trip display group 252A	1x1
completion code word B for request of quick trip display group 252	1x1
code word: request of quick trip display group 253	1x1
completion code word for request of quick trip display group 253A	1x1
completion code word B for request of quick trip display group 253	1x1
code word: request of quick trip display group 254	1x1
completion code word for request of quick trip display group 254A	1x1
completion code word B for request of quick trip display group 254	1x1
code word: request of quick trip display group 255	1x1
completion code word for request of quick trip display group 255A	1x1
completion code word B for request of quick trip display group 255	1x1
Code word: short trip requests indication group 28	1x1
Addition: code word short trip requests indication group 28	1x1

Addition : code word B short trip requests indication group 28	1x1
Code word: short trip requests indication group 34	1x1
Addition: code word short trip requests indication group 34	1x1
completion code word B for request of quick trip display group 34	1x1
Code word: short trip requests indication group 35	1x1
Addition: code word short trip requests indication group 35	1x1
completion code word B for request of quick trip display group 35	1x1
Code word: short trip requests indication group 36	1x1
Addition: code word short trip requests indication group 36	1x1
completion code word B for request of quick trip display group 36	1x1
Code word: short trip requests indication group 37	1x1
Addition: code word short trip requests indication group 37	1x1
completion code word B for request of quick trip display group 37	1x1
Code word: short trip requests indication group 38	1x1
Addition: code word short trip requests indication group 38	1x1
completion code word B for request of quick trip display group 38	1x1
Code word: short trip requests indication group 39	1x1
Addition: code word short trip requests indication group 39	1x1
completion code word B for request of quick trip display group 39	1x1
Code word: short trip requests indication group 43	1x1
Addition: code word short trip requests indication group 43	1x1
completion code word B for request of quick trip display group 43	1x1
Code word: short trip requests indication group 44	1x1
Addition: code word short trip requests indication group 44	1x1
completion code word B for request of quick trip display group 44	1x1
Code word: short trip requests indication group 46	1x1
Addition: code word short trip requests indication group 46	1x1
completion code word B for request of quick trip display group 46	1x1
Code word: short trip requests indication group 47	1x1
Addition: code word short trip requests indication group 47	1x1
completion code word B for request of quick trip display group 47	1x1
Code word: short trip requests indication group 48	1x1
Addition: code word short trip requests indication group 48	1x1
Addition: code word B short trip requests indication group 48	1x1
Code word: short trip requests indication group 49	1x1
Addition: code word short trip requests indication group 49	1x1
Addition: code word B short trip requests indication group 49	1x1
Code word: short trip requests indication group 70	1x1
Addition: code word short trip requests indication group 70	1x1
Addition: code word B short trip requests indication group 70	1x1
Code word: short trip requests indication group 71	1x1
Addition: code word short trip requests indication group 71	1x1
Addition: code word B short trip requests indication group 71	1x1
Code word: short trip requests indication group 72	1x1
Addition: code word short trip requests indication group 72	1x1
Addition: code word B short trip requests indication group 72	1x1
Code word: short trip requests indication group 75	1x1
Addition: code word short trip requests indication group 75	1x1
Addition: code word B short trip requests indication group 75	1x1
Code word: short trip requests indication group 77	1x1
Addition: code word short trip requests indication group 77	1x1
Addition: code word B short trip requests indication group 77	1x1
Code word: short trip requests indication group 78	1x1
Addition: code word short trip requests indication group 78	1x1
Addition: code word B short trip requests indication group 78	1x1
Code word: short trip requests indication group 94	1x1

Addition: code word short trip requests indication group 94	1x1
Addition: code word B short trip requests indication group 94	1x1
Code word: short trip requests indication group 96	1x1
Addition: code word short trip requests indication group 96	1x1
Addition: code word B short trip requests indication group 95	1x1
code word: requested speed for end of production line test	1x1
codeword for %FGRABED	1x1
codeword for %FGRABED	1x1
Code word FGRBESI	1x1
Code word FGRFULO	1x1
Code word FGRFULO 2	1x1
Code word for gear-dependent FGR disable	1x1
Codeword clear vziel_w	1x1
Code word FGRREGL	1x1
Code word FGRREGL	1x1
Code word FGRREGL	1x1
Code word for control of MIL-ON, according to OBDII /EOBD	1x1
Code word for control of MIL-ON, according to OBDII /EOBD	1x1
Code word LSU upstream cat. ready for operation enable	1x1
CWFS	1x1
codeword FUEDK	1x1
Code word charge controller active outside of idle	1x1
Code word for reset of adaptation values at error E_lsv	1x1
Code word gear selection constant injection control	1x1
Codeword fan demand from engine bay dependent on gear step	1x1
TCU code (CAN)	1x1
CWGE3	1x1
Codeword for %GGCEGS	1x1
code word for gearbox intervention	1x1
code word for GGEGAS	1x1
Code word GGFGRH	1x1
Code word GGFGRH	1x1
code word for Ri-evaluation for sensor downstream of cat	1x1
code word for GGLSU	1x1
Codeword for Selection of Flanken in the GGNW	1x1
code word for brake booster (function GGPBKV)	1x1
Code word for %GGVFZG	1x1
code word for GRA control lever	1x1
code word for GRA control lever	1x1
code word for GRA control lever	1x1
Codeword for selection of adjusting element 1 for HFM pulsation map	1x1
Codeword for selection of adjusting element 2 for HFM pulsation map	1x1
Codeword for selection of adjusting element 3 for HFM pulsation map	1x1
Codeword for B_lrka active	1x1
code word: detection of kick down in combination with automatic gear shift	1x1
code word for torque reserve in catalyzer heating	1x1
code word for catalyzer heating control	1x1
code word for catalyzer heating control	1x1
Codeword for calculation of latest ign.angle out of catalyst warm-up	1x1
activation of the ignition switch on/off lock	1x1
CWKLDFA	1x1
Output:""Km at MIL on"" for Scan Tool switch-off (0 = no output in PID $21)	1x1
code word for the configurationof the cooling agent temperature control	1x1
code word for the configurationof the cooling agent temperature control	1x1
Codeword: configuration of the A/C Control	1x1
configuration for CAN und compressor	1x1

code word for configuration exhaust emission treatment	1x1
code word for configuration of diagnosis for intake air temp. sensor	1x1
CWKONDTHM	1x1
code word for configuration vehicle	1x1
code word for configuration of engine coolant temperature signal TMOT	1x1
code word for configuration of (engine) oil temperature signal	1x1
code word for configuration of ambient temperature signal	1x1
code word for configuration lambda sensor	1x1
configuration for power reduction of the A/C Compressor	1x1
Codeword for %KOSLKH	1x1
code word for dynamic recognition	1x1
code word: knock detection is not disabled for guided cylinders	1x1
code word for limp home in case of one knock sensors fails	1x1
CWKRRA	1x1
code word: characteristic of rkr follow-up at speed dynamics	1x1
Code word f. the config. of the actuator diagnos.: engine cooling	1x1
Code word for clutch	1x1
code word for component supply voltage via main relay	1x1
code word for component supply voltage via main relay	1x1
code word for component supply voltage via main relay	1x1
code word for component supply voltage via main relay	1x1
code word for component supply voltage via main relay	1x1
Codeword for function %LAKH	1x1
Code word modelization of a/f-ratio values in exhaust gas system	1x1
code word: lambda component protection	1x1
Configuration of LAMFAW	1x1
code word for lambda coordination for catalyzer heating	1x1
Code word for speed undershoot	1x1
CWLLG	1x1
CWLLRG	1x1
codeword for idle increase.	1x1
codeword: selection of idle speed control proportional part	1x1
Codeword: function low-idle ignition angle adaptation	1x1
Code word phase of forced lambda modulation	1x1
Code word enleanment protection	1x1
Code word for lambda sensors post catalyst / Aging in %DLSAHK	1x1
codeword of function LSUMRS	1x1
code word for fan configuration	1x1
Code word support of VITs $03 und $04 (Calibr. ID output) in mode/service $09	1x1
Code word support of VITs $05 and $06 (CVN output) in mode/service $09	1x1
Code word support of VITs $01 und $02 (VIN output) in mode/service $09	1x1
code word for calibration without torque structure	1x1
code word for calibration without torque structure	1x1
code word for calibration without torque structure	1x1
code word for taking into account the ignition-angle correct. for EGR operation	1x1
code word MDBGRG	1x1
Code word f. %MDFAW	1x1
code word MDFUE	1x1
cw for switching the meaning of rawsignal generatorload between torque and power	1x1
cw for switching the meaning of rawsignal generatorload between torque and power	1x1
code word MDKOG: ignition timing adjusted to retard for limiting vacuum	1x1
codeword MDKOL: torque limitation	1x1
codeword MDMIN	1x1
codeword: torque loss ac-compressor dependent on rl, nmot	1x1
codeword MDZUL for torque limitation	1x1
Codeword fьr function MOST: different ways for calculating the mount control	1x1

code word for MSR/ASR via CAN	1x1
release of the specific phase sensor limp home function	1x1
codeword for integrator-initialization with nmodi	1x1
code word to deactivate the scan tool communication	1x1
Codeword for the Filtration of nstat	1x1
Code word: resume speed at transmission-shift control	1x1
Codeword to switch desired angle at error inlet camshaft	1x1
Number of completed shaking cycles for intake camshaft	1x1
CWNWFW	1x1
code word camshaft control at transmission control operation	1x1
Code word for activation of filter adjustment speed of intake camshaft	1x1
characteristics of the camshaft at engine start	1x1
code word: camshaft control outlet	1x1
code word: camshaft control inlet	1x1
code word: camshaft control inlet	1x1
code word: camshaft control global	1x1
code word for configuration OBD certification	1x1
code word for configuration OBD certification	1x1
code word for configuration OBD (CAN)	1x1
Codeword fьr OSC measurement options in function BGLAMABM	1x1
code word application of reference pressure for fuel-pressure controller	1x1
Codeword: plausibility check of LSU	1x1
code word for powerfail	1x1
code word: reinitialize of rkr with REFINI at dynamics conditions	1x1
Codeword permanent injection controller	1x1
codeword rlsol_w from Test-bench for Applikation	1x1
Codeword reference pump current control	1x1
code word to enable fuel cut off - fuel restart	1x1
Code word f. switch-off of certain Scan Tool Modes/Services (Bit=0 -> mode off)	1x1
configuration: summary of the power consumption	1x1
Code word for secondary-air system	1x1
code word for controlling start relay - automatic	1x1
code word for controlling start relay - automatic	1x1
code word for controlling start relay - automatic	1x1
code word for controlling start relay - automatic	1x1
code word for controlling start relay - automatic	1x1
code word for controlling start relay - automatic	1x1
code word for controlling start relay - automatic	1x1
code word for controlling start relay - automatic	1x1
Code word: start adaptation	1x1
code word for the configuration of the actuator diagnosis	1x1
code word 2 for the configuration of the actuator diagnosis	1x1
code word 2 for the configuration of the actuator diagnosis	1x1
code word for kind of enableing: 1-> B_st, 0 -> nmot	1x1
code word to enable the actuator diagnosis injectors	1x1
code word misfire disabeling criterion 1-> criterion active	1x1
codeword misfire surpression criterion 1-> criterion active	1x1
code word: intake manifold switch-over	1x1
code word: intake manifold switch-over	1x1
CWSUAN	1x1
code word for tester adjustment: adjustment free	1x1
code word for tester adjustment: adjustment free	1x1
code word for tester adjustment: adjustment for customer service	1x1
code word for tester adjustment: adjustment for customer service	1x1
Codeword for the selection between the intake air- or the ambient temperature	1x1
code word for tester adjustment: adjustment for development	1x1

code word for tester adjustment: adjustment for development	1x1
no extraordinary configuration	1x1
code word for addressing FWFTBRTA depending on (tans/evtmod)	1x1
code word: ignition angle intervention at test of canister-purge valve	1x1
code word for configuration temperature sensors	1x1
Codeword for tip in function	1x1
codeword calculation of oiltemperature cylinder head	1x1
configuration: ambient temperature for ac-compressor	1x1
codeword for application to demand unthrottled angle of EGR and throttle val.	1x1
code word for the clock	1x1
switch for switching off the depedency on temperature for conducting tankenЬftu	1x1
code word f. deactivation VS_VERST (CWVSV = 0: VS_VERST inactive)	1x1
code word f. deactivation VS_VERST (CWVSV = 0: VS_VERST inactive)	1x1
Code word: Predicted throttle-valve target-value de-jittering active	1x1
Immo: configuration Anpassung and Download	1x1
code word for warm-up control	1x1
code word for warm-up control	1x1
code word for warm-up control	1x1
code word: ignition-timing intervention for VMAX limiting	1x1
code word: ignition-timing intervention for VMAX limiting	1x1
CW_ADR	1x1
configuration code word ignition output	1x1
Code word for Fuel direct injection in instruction test	1x1
Code word for Fuel direct injection in monitoring function	1x1
code word for monitoring of coding fault	1x1
code word for monitoring of coding fault	1x1
code word for CAN reception configuration	1x1
code word for CAN reception configuration	1x1
code word for CAN reception configuration	1x1
code word for CAN reception configuration	1x1
code word for CAN reception configuration	1x1
code word for CAN reception configuration	1x1
code word for CAN reception configuration	1x1
code word for CAN reception configuration	1x1
code word for CAN reception configuration	1x1
code word for CAN reception configuration	1x1
code word for CAN reception configuration	1x1
code word for CAN reception configuration	1x1
code word for CAN reception configuration	1x1
code word for CAN reception configuration	1x1
code word for CAN reception configuration	1x1
code word for CAN reception configuration	1x1
code word for CAN reception configuration	1x1
code word for CAN send configuration	1x1
code word for CAN send configuration	1x1
code word for CAN send configuration	1x1
Code word for interval ignition	1x1
CW_NOROMCHKRESET	1x1
code word to influence initialization of substitute value by switch off time	1x1
Threshold for activation of D component (speed) in the non-amplified range	1x1
Threshold for activation of D component (speed) in the amplified range	1x1
Threshold for activation of D component (deviation) in the non-amplified range	1x1
Threshold for activation of D component (deviation) in the amplified range	1x1
number of fuel cut-out phases to detect ISC-actuator error	1x1
fault threshold of message counter in ACC message	1x1
fault debouncing: fault in the message counter of the ACC message	1x1
Rise of ramp (deceleration demand) in mode Cruise	1x1

Rise of ramp when driver decelerates manually	1x1
DBFGRRED	1x1
fault threshold of the message counter in the GRA message	1x1
fault debouncing of the message counter in the GRA message	1x1
Biggest permissible delta of the message counter for instruction test	1x1
Biggest permissible delta of the message counter	1x1
DBZ_AAG	1x1
DBZ_ADR	1x1
upper limit for message counter difference	1x1
upper limit for message-counter difference in CAN-message Energiemanager	1x1
Greatest permissible delta of the message counter for Br5 in the function	1x1
Greatest permissible delta of the message counter in the function	1x1
Greatest permissible delta of the message counter in the function	1x1
upper limit value for message-counter difference GRA	1x1
DBZ_ILM	1x1
Smallest permissible delta of the message counter for instruction test	1x1
Smallest permissible delta of the message counter	1x1
Greatest permissible delta of the message counter in the function	1x1
Largest permissible delta of the message counter for instruction test	1x1
Largest permissible delta of the message counter	1x1
delta ambient temp by CAN to calculated ambient temp (with intake air temp.)	1x1
delta difference between rl from main- and secondary-load signal	1x1
delta pedalwinkelgradient for forbidden of the torque filter by creeping	1x1
decrement-step for STADAP-factor	3x1
delta relative air filling for ignition angle release	1x1
delta intake air temperature - starttemperature, 1.0 mm leak	1x1
delta intake air temperature - starttemperature, rough leak	1x1
delta intake air temperature - starttemperature, 0.5 mm leak	1x1
offset for evtmod depending on tsges_w at high tans caused by EGR	8x1
Increasing control factor after the charge controller was activated	1x1
Delta threshold for upper limit of the mult.rate of air charge balancing	1x1
delta threshold for lower limit of the mult.rate of air charge balancing	1x1
decreasing control constant for influencing of desired transmission speed	1x1
Delta FKMSDKMN for resetting of B_fkmsmn	1x1
Delta FKMSDKMX for resetting of B_fkmsmx	1x1
Delta FKPVDKMN for resetting of B_fkpvmn	1x1
Delta FKPVDKMX for resetting of B_fkpvmx	1x1
Section bits for indication of the activated error paths	16x1
delta threshold for upper limit of the mult. rate of mixture adaption	1x1
delta threshold for lower limit of the mult. rate of mixture adaption	1x1
minimum lambda modulation to disable purge control at slow LSU behaviour	1x1
delta-frm-threshold for detection of successful mixture correction	1x1
delta Fr threshold 'rich correction' for check o.k.	1x1
delta Fr threshold 'lean correction' for check o.k.	1x1
frm offset threshold (neg) dep. on air mass flow (functional check during cataly	6x1
frm offset threshold (neg) dep. on air mass flow	6x1
frm offset threshold (negative): control pre-control problem (short trip)	1x1
frm offset threshold (pos.) dep. on air mass flow (functional check during catal	6x1
frm offset threshold (pos) dep. on air mass flow	6x1
frm offset threshold (positive): control pre-control problem (short trip)0	1x1
delta frm threshold for detection of stabilized lambda controller	1x1
min. DFRZA-threshold enabling of non-active debouncing	1x1
max. plausible speed-dependent variance of FSE values	8x1
max. plausible speed-dependent variance of FSE values	8x1
max. plausible speed-dependent variance of FSE values	8x1
difference of adaptation values to reset fuel-on/-off adaptation	1x1

threshold fuel rate for switching the bit B_tebh to TRUE	1x1
hysteresis width on canister charge for switching to endless purging	1x1
Max. permissible change in pressure during 100 ms	1x1
Additional AC requirement for fan 1 during canister purge diagnosis	1x1
Additional AC requirement for fan 2 during canister purge diagnosis	1x1
Permissible fault time for DK setpoint/actual comparison	1x1
Maximum throttle valve angle at leakage diagnosis	6x1
Min. control deviation tmotsoll-tmotkmtr	1x1
Max. control deviation tmotsoll-tmotkmtr	1x1
Limtation of set value as f(nmot) if B_dknot = true	8x1
Min. gradient of the DK poti for conversion abs. to rel. angle in the worst case	1x1
maximum steps late dissimulation for knock control limitation	1x1
counter of ignition for knock control limitation	1x1
limit of integrator rise for zero test	6x1
upper rpm-limit for zero test diagnosis (knock control)	1x1
upper rpm-limit for zero test diagnosis (knock control)	1x1
maximum offset-compensation value	1x1
upper rpm-limit for determination of offset-compensation-value	1x1
lower rpm-limit for determination of offset-compensation-value	1x1
Max. duration tL-/wdkbl- limiting value exceeding	6x1
ABS(delta dlahi) threshold for detection of fast learning of dlahi is ready	1x1
initialization value integrator dlahi of continuous LRHK	1x1
initialization value integrator dlahi of continuous LRHK, bank2	1x1
ABS(dlahp) threshold for detection of fast learning of dlahi is ready	1x1
minimum DLAHP threshold for setting plausibility error in path ""B""	1x1
minimum DLAHP threshold for setting plausibility error in path ""B""	1x1
Delta lambda setpoint for electrical sensor diagnosis downstr. catal. (quicktrip	1x1
Threshold value for activation of mixture enrichment by driver command	1x1
Delta Lambda set point (bank1/rich) for exchange sensor downstream cat	1x1
Delta Lambda set point (bank2/lean) for exchange sensor downstream cat	1x1
Delta Lambda set point (rich) for the test oscillation check downstream	1x1
Delta Lambda set point (lean) for the test oscillation check downstream	1x1
max. deviation for lamnswl_w=1.0	1x1
Mixture enrichment according to air temperature	4x1
max. control error for CLC switch-off after fuel cut-off	1x1
DLR, upper limit for the parameter switch-over	1x1
DLR, lower limit for the parameter switch-over	1x1
Min. necessary I component in case of static friction	1x1
Max. setpoint gradient to activate the static friction routine	1x1
Maximum permissible I-component	1x1
DLR, I small parameter	1x1
I-component during init for ramp passing through NLP	1x1
DLR, D parameter above NLP	1x1
DLR, D parameter below NLP (weak)	1x1
DLR, D parameter below NLP (medium)	1x1
DLR, D parameter below NLP (strong)	1x1
DLR, D parameter below NLP (if non amplified Poti is used)	1x1
I component as f(abs(dwdkdlr_w)), above NLP	32x1
I component as f(abs(dwdkdlr_w)), below NLP (weak)	32x1
I component as f(abs(dwdkdlr_w)), below NLP (medium)	32x1
I component as f(abs(dwdkdlr_w)), below NLP (strong)	32x1
I component as f(abs(dwdkdlr_w)), below NLP (strong)	32x1
DLR, P parameter above NLP	1x1
DLR, P parameter below NLP (weak)	1x1
DLR, P parameter below NLP (medium)	1x1
DLR, P parameter below NLP (strong)	1x1

DLR, P parameter below NLP (if non amplified Poti is used)	1x1
DLR, factor loop gain	1x1
DLR, factor loop gain at the time of the engine start	1x1
Fuzzy range of DK in limphome air position	1x1
Timecounter for extended DV-E-exchange detection	1x1
Permissible fault time 1 for DLR setting range at the limit stop	1x1
Permissible fault time 2 for DLR setting range at the limit stop	1x1
Max. permissible PWM pulse duty factor for DLR	1x1
Min. permissible PWM pulse duty factor for DLR	1x1
Min. threshold for PWM pulse duty factor of the DLR with temp. UMA adapt.	1x1
DLR, battery standard voltage	1x1
Range of uncertainty during the step change out of the UMA range	1x1
Default value of the I component during the step change out of the UMA range	1x1
speed dependensy of engine roughness referenz minimum value 1	8x1
maximum adaptable change of resistant torque during one idle cycle AT-drvie + AC	1x1
maximum adaptable change of resistant torque during one idle cycle AT in drive	1x1
maximum adaptable change of resistant torque during one idle cycle compressor on	1x1
maximum adaptable change of resistant torque during one idle cycle loadless	1x1
lower limit for torque adaptation At in drive + AC compressor on	1x1
lower limit for torque adaptation At in drive	1x1
lower limit for torque adaptation AC compressor on	1x1
lower limit for torque adaptation loadless	1x1
upper limit for torque adaptation AT in drive + AC compressor on	1x1
upper limit for torque adaptation AT in drive	1x1
upper limit for torque adaptation AC compresssor on	1x1
upper limit for torque adaptation loadless	1x1
max. limit. of the steady-state torque intervention of the anti-jerking funct.	6x1
delta torque rise after torque intervention	8x1
gradient for the increasing torque of windsreen-heating.	1x1
delta AC-compressor-hysteresis for motor mount control	1x1
delta AC-compressor-hysteresis for motor mount control	1x1
Torque for power steering	6x1
Torque offset for after cranking compensation	8x1
Threshold f. switch-over to filtered torque prior to dashpot release	1x1
delta torque threshold end of dashpot (closed converter)	8x1
Torque reserve for AC compressor	1x1
delta Torque converter for forbidden of the torque filter by creeping (CVT)	1x1
limitation of converter torque for safety concept	1x1
Hysteresis for forming D-component converter torque	1x1
D-component converter torque when engaging gear selection	8x1
DMGE3	1x1
DMGESGE3	1x1
limitation of alternator-torque for safety	1x1
Delta torque for activation of limitation of torque change	1x1
delta torque for initialization of filter load-shock damping	1x1
Delta torque for initi. of load reversal damping at open converter lockup clutch	8x1
Offset to indicated engine torque for most retarded ign.timing and ASR intervent	1x1
limitation of AC-torque for safety	1x1
Threshold air mass flow not plausible for detection fault in DTEV	1x1
Air mass threshold for detection PCV defective no longer necessary	1x1
Lower threshold for detection air mass flow not plausible for evaluation in DTEV	1x1
Upper threshold for detection air mass flow not plausible for evaluation in DTEV	1x1
limitation of fan-torque for safety	1x1
Upper threshold for air mass flow change during cat. monitoring	1x1
LLR: D-gain depending of ngasf for air path	4x6
LLR: D-gain depending of ngasf for air path	4x6

Lower limit for dmllrl	6x1
Safety concept: upper limit for dmllrl	6x1
Lower limit for dmllr_w	6x1
Lower limit for dmllr_w for Kurztrip	6x1
Safety concept: upper limit for dmllr	6x1
Safety concept: upper limit for dmllr	6x1
Delta torque for finishing positive slope limitation	8x1
gradient for the decreasing torque of windscreen-heating	1x1
general torque margin quick trip	1x1
Torque reserve for diagnosis of camshaft via tester	1x1
LLR: reduction rate for increased torque reserve	1x1
Increment to reduce the torque reserve after start-up	1x1
Increment to reduce the torque reserve for undervoltage	1x1
hysteresis high load detection	1x1
Threshold mrfa gradient f. deactivation of PT1 filter at resumre	4x1
torque reserve for catalyst monitoring	1x1
torque reserve for diagnosis monitoring ageing lambdasensor downstream Kat	1x1
torque reserve for diagnosis lambdasensor downstream cat	1x1
torque reserve for diagnosis lambdasensor upstream Kat	1x1
Increment of control factor of torque limitation due to engine temperature	1x1
Delta: relative torque f. ramp after EPB intervention	1x1
limitation of power-steering pump torque for safety	1x1
P-component of air mass controller	8x1
limitation of secondary-air pump torque for safety	1x1
Minimum standardized mass flow change PCV	1x1
Maximum standardized mass flow change PCV	1x1
characteristic line maximum increase of purge mass flow	6x1
lower control threshold for difference between desired and actual engine temp.	1x1
upper control threshold for difference between desired and actual engine temp.	1x1
Minimum torque-loss threshold	1x1
Threshold loss adaptation to distinguish min, max faults in DTEV	1x1
variation limit for max. reduction of engine roughness reference value dlur	1x1
limitation for max. reduction of the filter engine roughness reference values	1x1
variation limitation for max. reduction of the engine roughness reference values	1x1
minimum engine-speed difference for acckn. combustion	1x1
engine speed difference at engine stall	1x1
Delta speed threshold due to stalling protection	1x1
Minimum difference in engine-speed for detection combustion in range 0	12x1
Minimum difference in engine-speed for detection combustion in range 1	12x1
Minimum difference in engine-speed for detected combustion in range 2	12x1
Maximal speed deviation (low speed) for diagnosis of idle speed control	1x1
Maximal speed deviation (high speed) for diagnosis of idle speed control	1x1
Upper difference engine speed for activating cruise control brake operation	1x1
Offset engine speed of minimum engine speed for cruise control brake operation	1x1
Speed difference from maximum speed for FGR shutdown	1x1
upper threshold of filter output gradient ndfil	1x1
Engine speed hysreresis to accept A/C on request	1x1
DNLLCAUVW	1x1
Engine speed range above nstat to enable the ISC	1x1
LLR: dn threshold for increasing the torque reserve at idle	1x1
Overspeed threshold for integrator reset	1x1
Engine speed range above nstat to enable the ISC (Low-Range)	1x1
Delta desired low idle speed for the acitv. of the NW-functionality	1x1
speed threshold to disable proportional parameter in start	1x1
Permissible reduction of engine speed limit per calculation step	1x1
Exceeding of the engine speed limit leading to fuel cut-off in all cylinders	1x1

Exceeding of the engine speed limit leading to fuel cut-off in all cylinders	1x1
Lowest possible value for dn for the I-controller	1x1
delta rotational speed-hysteresis for motor mount control	1x1
delta rotational speed-hysteresis for motor mount control	1x1
upper delta-n threshold for abortion diagnosis CPV	1x1
lower delta-n threshold for abortion diagnosis CPV	1x1
DNMZGEZW	1x1
Speed threshold for desired speed deviation during DTEV	1x1
Delta n overrun cut-off high with reference to n reinstatement	1x1
Delta n overrun cut-off low with reference to n reinstatement	1x1
Delta n overrun cut-off high with reference to n reinstatement at idle	1x1
cut off engine speed increase at tip gutter	1x1
Deviation of maximum and actual engine speed for switch-off rpm control	1x1
engine speed offset for ignition shut off at fuel cut off	1x1
Overrun cut-off hysteresis for reinstatement at idle	1x1
Overrun cut-off hysteresis for reinstatement at idle and disengaged clutch	1x1
speed threshold of nsol-limitation in start	1x1
Offset to determine the upper limit of target speed	1x1
Turn on limit for Tip-In offset on max. spark retard	1x1
cut off engine speed increase at low vehicle speed	1x1
Delta n for reinstatement with air conditioning	1x1
Engine speed offset to nstat for nwe	1x1
Maximum permissible deviation of engine speed for low-idle ignition angle adapta	1x1
Maximum speed for low-idle ignition angle adaptation during catalyst heating	1x1
Offset on nstat for switching off Tip-In offset	1x1
Maximal difference of stored oxygen from integrator limit to set B_oscmeb	1x1
factor pressure gradient at begin of braking	1x1
factor pressure gradient while braking (v=0)	1x1
factor pressure gradient while braking (v>threshold)	1x1
factor pressure gradient at end of braking	1x1
factor pressure gradient at end of braking (vfzg>threshold)	1x1
factor pressure gradient while evacuating brake booster	1x1
factor pressure gradient while evacuating brake booster from el. pump	1x1
factor pressure gradient while evacuating brake booster from compressor	1x1
legal pressure increase because of leakage	1x1
tolerance of pubkv_w*FBKVP(min. pump pressure) and tolerance of pressure sensor	1x1
pressure difference, which can be evacuated in time TDDBKVP	4x1
Pressure delta for reset of brake booster vacuum pump diagnosis	1x1
Delta pressure betw. desired brake booster pressure and manifold pressure	1x1
factor pressure gradient caused by leakage of brake booster	1x1
min. allowed difference between pbkv and pu for turn off compressor	4x1
min. allowed dif. bet. pbkv and pu for cut of idle speed for catalyst heating	4x1
min. allowed difference between pbkv and pu for camshaft lobe control	4x1
min. allowed difference between pbkv and pu for control of break booster pump	4x1
min. allowed difference between pbkv and pu without braking	4x1
desired delta between brake booster and ambient pressure	1x1
delta pressure for signal comparison load-pressure with ambient pressure	1x1
Quantisation at decreasing AC pressure	1x1
threshold of ub for DPNKPM	1x1
Quantisation at increasing AC pressure	1x1
Change in relative heater output per time during warm up phase	1x1
delta pressure of plaus. of brake booster pres. with intake manifold pressure	1x1
detection threshold load dynamics for stationary adaptation	16x1
Threshold minimal pressure drop for opening secondary air valve	1x1
min. pressure difference between ps and pbkv for healing npl-error(leakage)	1x1
DPSPUBKVH	1x1

Delta between manifold pressure and brake booster pressure	1x1
Maximum threshold delta ambient pressure for downhill recognition	1x1
Manimum threshold delta ambient pressure for downhill recogn. thermostat monitor	1x1
delta pressure of plaus. of brake booster pressure with ambient pressure	1x1
Bergauferkennung (0.5 mm - Diagnose)	1x1
Bergaberkennung (0.5 mm - Diagnose)	1x1
specific pressure difference for manifold pressure monitoring	1x1
desired pressure difference for manifold pressure monitoring	1x1
pressure difference pu-pvdk	8x1
minimum excessive heat flow	1x1
maximum excessive heat flow	1x1
backup value for excessive heat flow	1x1
diagnosis threshold for Ri sensor for signal disconnection post cat	1x1
drl threshold value for te post injection/reduction	1x1
maximum load change during 0.5 mm diagnosis	1x1
DRLGE3	1x1
Threshold for load change	1x1
DRLKRSTMX	1x1
threshold for neg. load gradient for release of SA-Diagnosis with SA-MAF	1x1
threshold for pos. load gradient for release of SA-Diagnosis with SA-MAF	1x1
threshold for changing of air charge at one comb.cycle for release DSLS (functio	1x1
threshold for neg. load gradient for release of SA-Diagnosis with oxy. sensor	1x1
threshold for pos. load gradient for release of SA-Diagnosis with oxy. sensor	1x1
Minimal charge change for triggering of post injection	1x1
Offset to rlmin for deactivation of dashpot	1x1
Threshold for load change (16Bit)	1x1
delta rl for rlp - lower limit	1x1
Misfire Detection : load-dynamic threshold for deactivation	8x1
threshold delta rlsol for Medianfilter	1x1
Misfire Detection : load-dynamic threshold for deactivation after engine start	1x1
DRLZGEZW	1x1
gradient for brake booster pressure sensor	1x1
offset for brake booster pressure sensor	1x1
Maximum threshold vfzg (vehicle speed): Activation of Phase 4 by B_ll (idle)	1x1
minimum value for transportation distance in delay-time block	1x1
gradient for conversion voltage -> pressure of tank pressure sensor	1x1
offset for conversion voltage -> pressure of tank pressure sensor	1x1
gradient for ambient air pressure sensor	1x1
offset for ambient air pressure sensor	1x1
Threshold delta soak time for overflow detection	1x1
threshold soak time unplausible	1x1
delta TANS- threshold for not plausible fixed signal	1x1
Delta tans for stopping hot idling	1x1
delta ambient temp. between eng.start and its minimum for thermostat monitoring	1x1
minimal delta of ambient and eng. cool.temp.at start for thermostat monitoring	1x1
delta air intake temperature to starttemperature of engine	1x1
delta temperature for turn off recognition blockheater	1x1
Exhaust temperature hysteresis for component protection	1x1
delta-te threshold for post injection/ti-reduction detected	1x1
delay time for effect of driving state B_fs on motor mount control	1x1
delay time for effect of driving state B_fs on motor mount control	1x1
Dti threshold value for first post-injection	1x1
Dti threshold value for second post-injection	1x1
lower control threshold of diff. betw. desired-actural cooling-water outlet temp	1x1
upper control threshold of diff. betw. desired-actural cooling-water outlet temp	1x1
Hysteresis catalyst temperature control threshold for catalyst warming	1x1

absolute value difference (tans -tmst) for catalyst heating	1x1
allowed temperature deviation from set value for heater status A	1x1
allowed temperature deviation from set value for heater status B	1x1
allowed temperature deviation from set value for heater status A	1x1
cat monitoring: maximum temperature gradient	1x1
min. difference of engine stall and restart temp. for TMOT diagnosis	1x1
Temperature difference of engine stall and restart for activating cat. heating	1x1
delta engine coolant temperature after stalling to starttemperature	1x1
start offset for engine temperature model	1x1
offset on engine temperature model to upper threshold for non-plausibility	1x1
Temperature difference of engine stall and Restart for add. diagnosis	1x1
threshold for difference of engine coolant temp. value to detect gradient too hi	1x1
difference between parking temperature - tmot during start for 0.5 mm diagnosis	1x1
Delat tmot for stopping hot idling	1x1
Delta temperature for hysteresis loop	1x1
delta engine coolant temp. to break off thermostat monitoring	1x1
security offset between TMOT and coolant temperature of instrument panel	1x1
Difference engine stopping temperature - TMOT at starting	1x1
hysteresis for cut-in threshold	1x1
threshold for difference of engine coolant temp. values to reset gradient too hi	1x1
difference of engine cool.temp.to starttemp.for retriggering models (blockheater	1x1
delta engine coolant to intake air temp. for cold start indication	1x1
delta engine coolant temperature to initialize oil temperature calculation	1x1
delta engine temperture threshold for fulfilment ""warm up cycle""	1x1
Delta-period to calculate the interval at leakage diagnosis	1x1
delta period to calculate the window during 0.5 mm diagnosis	1x1
Load change gradient threshold to trigger load dynamics	1x1
Offset intake-air temperature -> ambient temperature	1x1
tolerance of the value of ambient air temperature depending on signal source (in	1x1
Limit for torque reserve at battery voltage undershoot.	1x1
Voltage offset for battery charce computation	1x1
threshold for recognition of battery voltage drop in starter control	1x1
Voltage offset between ECU and ZS	1x1
Tolerance range for NLP upward (incl. Rь)	1x1
Tolerance range for NLP downward	1x1
offset of hysteresis for switching to amplified throttle poti 1 signal	1x1
offset of hysteresis for switching to amplified throttle poti 1 signal	1x1
Delta of a ramp-step during the temp. UMA adaptation	1x1
time for setting the cycle flags of function monitoring diagnosis	1x1
threshold for short term portion	1x1
Max. adm. diff. in poti voltages of acc. pedal sensor during kick-down learning	1x1
Voltage hysteresis for dejittering the PWG voltage	1x1
Max. adm. change in poti voltages of acc. pedal sensor during kick-down memo	1x1
Max. adm. change in APM voltages after suspicion of APM-error	1x1
Minimum excess over the memorized kick-down value for KD learning during oper.	1x1
Diff. voltage of accelerator pedal sensor for setting the kick-down information	1x1
Diff. voltage of accelerator pedal sensor for resetting the kick-down info.	1x1
maximum permitted change in voltage for calculation of rinlsu_w	1x1
Threshold for storing fault type B_npurrst in diagnosis controller monitoring re	1x1
Threshold for delta sensor voltage to check heater coupling downstr. cat	1x1
Delta sensor volt. downstream cat betw. new and old value for Ri-measur.	1x1
Delta sensor volt. rear cat between new and 2 old val. for sensor jump knowledge	1x1
speed difference for detection of downhill driving during 0.5 mm diagnosis	1x1
DVCLRBR	1x1
Time for the healing attempt of the DV-E-power stage	1x1
Hysteresis for vehicle speed limit during AR (Anti jerk)	1x1

Speed difference for downhill recognition	1x1
Delta speed for change limitation	1x1
max. permitted deviation between actual speed and target speed in cruising mode	1x1
maximum delta between actual and target speed for tip permission	1x1
Delta speed to reset idle-speed disable from the FGR	1x1
Delta speed to set idle-speed disable from the FGR	1x1
DVLLVUBR	1x1
Difference between vmax control and FGR control	1x1
Permitted change of vmaxtom_w per step in negative direction	1x1
delta speed-hysteresis for motor mount control	1x1
delta speed-hysteresis for motor mount control	1x1
LLR: D-gain depending of ngfil for vehicle at rest	6x1
LLR: D-gain depending of ngfil for vehicle rolling	6x1
max. permitted deviation between target and actual speed with driver overriding	1x1
maximum speed difference for raising the CC-control speed value	1x1
delta vehicle speed for cut off engine speed increase	1x1
delta velocity to set prohibited trailing throttle fuel cutoff	1x1
delta velocity to remove prohibited trailing throttle fuel cutoff	1x1
delta velocity for set value correction after acceleration	8x1
delta velocity for set value correction after deceleration	8x1
max. permitted changing of target speed after acceleration	1x1
max. permitted changing of target speed after deceleration	1x1
DVSWKVBR	1x1
changing actual speed at tip-up or tip-down	1x1
max. permitted deviation between target speed and actual speed in cruising mode	1x1
maximum delta between target and actual speed for tip permission	1x1
delta between target and actual speed for transition cruising to resuming	1x1
max. permissible difference between throttle-valve angles from pot's 1 and 2	1x1
max. permissible difference between throttle-valve angles from pot's 1 and 3	1x1
max. permissible difference between throttle-valve angles from pot's 2 and 3	1x1
Max. setpoint/actual DK angle deviation as f(dwdks)	5x1
Threshold for the activation of the I small component	1x1
maximum allowed decrease of angle 'End of injection' per ignition	1x1
max. change of ""angle end of injection"" per ignition	1x1
delta ignition angle knock control distance from mean retarding	16x1
DWLLPED	1x1
max value for calculation of change limitation of desired angle inlet camshaft	5x1
Min. perm. deviation of intake camshaft to reference pos. of fine adaptation	1x1
Max. perm. deviation of intake camshaft to reference pos. of fine adaptation	1x1
max value to deactivate change limitation of desired angle inlet camshaft	5x1
Hysteresis deviation of camshaft position to clear failure at inlet camshaft	1x1
Threshold: sw.over to time constant f. des.val.change limit. intake	1x1
Maximum angle for shaking stroke intake camshaft	1x1
difference of desired camshaft position to stop adaption of phase sensor inlet	1x1
max deviation in pos. for start balanced operation 2Bank camshaft adjust. intake	1x1
max deviation in pos. for end balanced operation 2Bank camshaft adjust. intake	1x1
Delta-desired angle inlet valve opened in locking position relative to TDC	1x1
Des. angle range at which lock positon is reliably quit (intake camshaft)	1x1
Angle range: long hole of lock position (intake camshaft)	1x1
gradient of the standardized accelerator pedal for the compressor	1x1
minimum pedalwinkelgradient for forbidden of the torque filter by creeping	1x1
Max. permissible pedal value increase per computation step after operating brake	1x1
Max. permissible increase in pedal travel per calc. step in PWG standby mode	1x1
pedal gradient for deactivation of APS/Brake-Check	1x1
decrease of pedal value per calculation step during after operating brake	1x1
Delta prediction angle without post injection/ti-reduction	1x1

Delta prediction angle at post injection release	1x1
max. value of dynamic response derivation	5x1
add. retarding per cycle through adapt. dynamics	1x1
advance step for deactivation of dynamic response	1x1
min. value of dynamic response derivation	1x1
deactivation period for dynamics retardation	1x1
Limiting value for LSU dynamics at funktion request	1x1
Limiting value for LSU dynamics at funktion request	1x1
Threshold for dynlsu_w for switching to lambda setpoint for lambdamodelling	1x1
limiting value for LSU dynamics	1x1
limiting value for LSU dynamics	1x1
rduced limiting value for LSU dynamics	1x1
rduced limiting value for LSU dynamics	1x1
upper threshold for dynlsusa, CARB tester, DLSSALRS	1x1
Count limit for buffer counter healing	1x1
Count limit for buffer counter short circuit with mass	1x1
Count limit for buffer counter short circuit with battery voltage	1x1
Count limit for buffer counter open circuit	1x1
Delta ignition angle during idling, cylinder individual calibration aid for low-	8x1
Up/down regulation speed between the maps of limitation	12x1
Spark advance for burning-limit angle at tip-in	8x1
delta ignition angle from efficiency	201x1
Lambda dependency of optimum ignition angle referred to Lambda 1	10x1
temperature-dependent offset of optimum ignition angle	5x1
delta latest ignition angle relative to engine temperature	8x1
Delta ignition angle during start (VVT)	6x1
delta ignition angle at tip-in	16x1
upper limit value adjustment of ignition angle additive	1x1
upper limit value adjustment of ignition angle additive	1x1
lower limit value adjustment of ignition angle additive	1x1
lower limit value adjustment of ignition angle additive	1x1
number of teeth when tooth suppression during start	1x1
Number of teeth for tooth debouncing with second phase sensor	1x1
Number of teeth for tooth debouncing at camshaft limp home mode	1x1
bypass main switch	1x1
if more messages are missing, the bypass communication is switched off	1x1
if more messages are missing, the bypass communication is switched off	1x1
EDNWE	1x1
enabling fuel cut off dependent on gear during catalyst heating	1x1
De-jitter threshold (inc.) for throttle-value target value during idling (B_II)	1x1
De-jitter thresh. (inc.) for throttle-value target value outside idling (!B_II)	1x1
configuration of power stage (actuators)	13x1
configuration of power stage (actuators)	13x1
configuration of power stage for AGR stepper diagnosis off	13x1
configuration of power stage in ECU afterrun mode	13x1
configuration of power stage for car starter diagnosis	13x1
spark efficiency depending on delta ignition angle	127x1
spark efficiency depending on delta ignition angle	127x1
spark efficiency depending on delta ignition angle	127x1
spark efficiency depending on delta ignition angle	127x1
Lambda effeciency	10x1
minimum threshold of ignition angle efficiency for diagnosis of PCV	1x1
minimum I component of duty cycle for triggering of electric thermostatic valve	1x1
maximum I component of duty cycle for triggering of electric thermostatic valve	1x1
min. temperature of offset-addition to DK-map (if nmot=0)	1x1
offset for evtmod depending on filtered engine temperature	12x1

Factor to decrease the converter torque depending of nturb	6x1
Factor parking time for model temperature	5x1
number of interval for enabling ti - cutoff	1x1
weigth factor for tabgm (exhaust temp) for calculate stationary combustion cham	1x1
Conversion factor for internal resistance of Nernst cell	1x1
factor for increasing the 1. cat-interval, misfire detection	1x1
divide factor exhaust-/exhaust-pipe temperature	7x1
divide factor exhaust-/exhaust-pipe temperature bank2	7x1
upper limit value adjustment of factor acceleration enrichment	1x1
upper limit value adjustment of factor acceleration enrichment	1x1
lower limit value adjustment of factor acceleration enrichment	1x1
lower limit value adjustment of factor acceleration enrichment	1x1
factor for calculation of min pump pressure depending on ambient pressure	1x1
factor for calculation of min pump pressure depending on ambient pressure	1x1
Factor component protection dependent on model. exhaust gas temperature	4x1
offset component protection dependent on motor temperature	4x1
factor ftefvab-depending limitation of the canister charge adaptation speed	6x1
factor ftefva-depending canister charge adaptation speed	6x1
condition weighting factor for calculation mean value of rmsl	1x1
Weighting factor integration speed for canister charge adaptation	5x1
weighting factor for integration speed KFFRAT as f(abo)	5x1
Initial value of OSC correction factor of the main catalyst	1x1
Initial value of OSC correction factor of the main catalyst, bank 2	1x1
LLR: Weighing factor for D enforcement	6x1
Weighting factor for including D-component in converter torque	1x1
Factor for the correction on the I-part	1x1
Temperature factor for air at throttle valve	8x1
threshold for upper limit of the mult.rate of air charge balancing	1x1
threshold for lower limit of the mult.rate of air charge balancing	1x1
characteristic line: reduction of engine efficiency as f(nmot)	5x1
Discrete lowpass constant for OSC correction factor	1x1
Follow-on ignition charging time	8x1
Dummy: top of table	2x1
freeze frame table: Tuningprevention	2x1
FFTADCOD	2x1
FFTBKVP	2x1
FFTBKVPE	2x1
freeze frame table: reference mark sensor	2x1
freeze frame table: brake pedal sensor	2x1
Freeze frame table: pedal moving detection	2x1
freeze frame table: CAN- timeout ADR	2x1
FFTCAIR	2x1
FFTCAIRP	2x1
Freeze Frame table: CAN, timeout ASC	2x1
freeze frame table: CAN interface, timeout ASR	2x1
FFTCBEM	2x1
FFTCBR2	2x1
FFTCBR8	2x1
FFTCDIA1	2x1
FFTCGAT	2x1
Freeze Frame table: CAN interface, timeout EGS	2x1
FFTCGRA	2x1
Freeze frame table: CAN interface, internal fault	2x1
Freeze frame table: CAN-Timeout, instrument panel	2x1
FFTCKLA	2x1
freeze frame table: CAN interface, timeout message steering angle	2x1

FFTCTOG	2x1
FFTCZAS	2x1
freeze frame table: throttle position potentiometer	2x1
freeze frame table: Throttle Position Poti 1	2x1
freeze frame table: Throttle Position Poti 2	2x1
Freeze frame table: fault from diagnostics of fuel supply system	2x1
Freeze frame table: fault from diagnostics of fuel supply system	2x1
freeze frame table: permanent voltage supply	2x1
freeze frame table: BKV	2x1
freeze frame table: ambient pressure	2x1
Freeze frame table: DV-E power stage	2x1
Freeze frame table: DV-E cause of failure: spring check	2x1
FFTDVEFO	2x1
Freeze frame table: DV-E position deviation	2x1
Freeze frame table: DV-E cause of failure: limphome position	2x1
Freeze frame table: DV-E control range	2x1
FFTDVET	2x1
Freeze frame table: DV-E cause of failure: UMA-learning	2x1
FFTDVEUB	2x1
FFTDVEUW	2x1
Freeze frame table: DV-E cause of failure: amplifier adjustment	2x1
FFTDYLSU	2x1
FFTDYLSU2	2x1
freeze frame table: engine coolant temperature sensor	2x1
freeze frame table: charge detection	2x1
freeze frame table: camshaft control inlet camshaft	2x1
freeze frame table: camshaft control inlet camshaft 2	2x1
freeze frame table: Power stage intake camshaft	2x1
freeze frame table: Power stage intake camshaft bank2	2x1
freeze frame table: Electronic power control lamp electr. malfunction	2x1
freeze frame table: injector power stage 1	2x1
freeze frame table: injector power stage 2	2x1
freeze frame table: injector power stage 3	2x1
freeze frame table: injector power stage 4	2x1
freeze frame table: injector power stage 5	2x1
freeze frame table: injector power stage 6	2x1
freeze frame table: injector power stage 7	2x1
freeze frame table: injector power stage 8	2x1
freeze frame table: flash-programming	2x1
FFTFMAS	2x1
FFTFMAS2	2x1
freeze frame table: Pedal position Potentiometer Signal 1	2x1
freeze frame table: Pedal position Potentiometer Signal 2	2x1
freeze frame table: Pedal Position Potentiometer Signal	2x1
freeze frame table: FRAO mixture adaptation	2x1
freeze frame table: FRAO mixture adaptation bank 2	2x1
freeze frame table: FRAU mixture adaptation	2x1
freeze frame table: FRAU mixture adaptation bank 2	2x1
freeze frame table: deviation of lambda loop control	2x1
freeze frame table: deviation of lambda loop control bank 2	2x1
FFTGECOD	2x1
Freeze Frame Table: GRA operating lever	2x1
FFTHELSU	2x1
FFTHELSU2	2x1
FFTHFM	2x1
FFTHFME	2x1

FFTHFMR	2x1
Freeze frame table: main relay power stage	2x1
Table of ambient condition for heating O2-sensor post cat	2x1
Table ambient conditions heating lambda sensor downstream catalyst bank2	2x1
Table of environmental cond.for output stage heating lambda sens. downstr.of cat	2x1
Freeze frame table: O2 Sensor Heater power stage bank 2	2x1
Table of ambient condition for heating O2-sensor pre cat	2x1
Table of ambient condition for heating O2-sensor post cat bank 2	2x1
Freeze frame table: 02 Sensor Heater power stage	2x1
Freeze frame table: 02 Sensor Heater power stage bank 2	2x1
table ambient conditions: evaluation IC of LSU	2x1
table ambient conditions: evaluation IC of LSU, bank 2	2x1
Freeze frame table: catalyst	2x1
Freeze frame table: catalyst	2x1
Freeze frame table: fuel pump relay power stage	2x1
freeze frame table: anti-knock control limit for cylinder 1	2x1
freeze frame table: anti-knock control limit for cylinder 2	2x1
freeze frame table: anti-knock control limit for cylinder 3	2x1
freeze frame table: anti-knock control limit for cylinder 4	2x1
freeze frame table: anti-knock control limit for cylinder 5	2x1
freeze frame table: anti-knock control limit for cylinder 6	2x1
freeze frame table: anti-knock control limit for cylinder 7	2x1
freeze frame table: anti-knock control limit for cylinder 8	2x1
freeze frame table: knock control zero test	2x1
freeze frame table: knock control offset	2x1
freeze frame table: knock control test pulse	2x1
freeze frame table: knock sensor 1	2x1
freeze frame table: knock sensor 2	2x1
freeze frame table: knock sensor 3	2x1
freeze frame table: knock sensor 4	2x1
freeze frame table: clutch pedal sensor	2x1
Table ambient conditions for Lambda sensor downstream catalyst	2x1
Table ambient conditions Lambda sensor downstream catalyst bank2	2x1
freeze frame table: leak detection pump	2x1
freeze frame table: power stage of leak detection pump	2x1
Freeze frame table: idle speed control	2x1
freeze frame table: main load sensor	2x1
Table of ambient conditions Lambda sensor downstream catalyst	2x1
Table of ambient conditions Lambda sensor downstream catalyst bank 2	2x1
FFTLSHV	2x1
table ambient conditions: monitoring lambda sensor wire at bond IA	2x1
table ambient conditions: monitoring lambda sensor wire at bond IA, bank 2	2x1
FFTLSUIP	2x1
FFTLSUIP2	2x1
FFTLSUKS	2x1
FFTLSUKS2	2x1
table ambient conditions: monitoring lambda sensor wire at bond UN	2x1
table ambient conditions: monitoring lambda sensor wire at bond UN, bank 2	2x1
table ambient conditions: monitoring lambda sensor wire at bond VM	2x1
table ambient conditions: monitoring lambda sensor wire at bond VM, bank 2	2x1
Table ambient conditions: Lambda sensor upstream catalyst	2x1
Table ambient conditions: Lambda sensor upstream catalyst bank2	2x1
freeze frame tabelle: exchanged lambda sensors upstream cat	2x1
FFTLUE1	2x1
FFTLUE2	2x1
freeze frame table: output stage fan control 1	2x1

FFTLUES2E	2x1
freeze frame table: misfire, multiple	2x1
freeze frame table: misfire cyl. 0	2x1
freeze frame table: misfire cyl. 1	2x1
freeze frame table: misfire cylinder 2	2x1
freeze frame table: misfire cylinder 3	2x1
freeze frame table: misfire cylinder 4	2x1
freeze frame table: misfire cylinder 5	2x1
freeze frame table: misfire cylinder 6	2x1
freeze frame table: misfire cylinder 7	2x1
freeze frame table: Target torque limitter	2x1
freeze frame table: active cylinder blank-out through DMD	2x1
freeze frame table: MIL request	2x1
freeze frame table: engine mount output stage	2x1
freeze frame table: engine mount 2nd output stage	2x1
freeze frame table: speed sensor	2x1
freeze frame table: alignment between camshaft and crankshaft	2x1
freeze frame table: alignment between camshaft 2 and crankshaft	2x1
freeze frame table: Maximum Engine Speed	2x1
freeze frame table: phase sensor	2x1
freeze frame table: phase sensor	2x1
FFTPLLSU	2x1
FFTPLLSU2	2x1
FFTPNKP	2x1
FFTPNKPM	2x1
FFTPUE	2x1
FFTPUR	2x1
FFTPWGDE	2x1
freeze frame table: RKAT mixture adaptation	2x1
freeze frame table: RKAT mixture adaptation bank 2	2x1
freeze frame table: RKAZ mixture adaptation	2x1
freeze frame table: RKAZ mixture adaptation bank 2	2x1
FFTSCR	2x1
freeze frame table: Control unit defective (EEPROM)	2x1
freeze frame table: Control unit defective (EEPROM Immobiliser)	2x1
freeze frame table: secondary air pump power stage	2x1
Freeze frame table: Secondary air system	2x1
freeze frame table: secondary air system	2x1
Freeze frame table: secondary air valve	2x1
Freeze Frame table: secondary air injection valve bank 2	2x1
freeze frame table: secondary air valve power stage	2x1
Freeze frame table: automatic start	2x1
FFTSTAAG	2x1
FFTSTBBT	2x1
FFTSTBLS	2x1
FFTSTECD	2x1
FFTSTESP	2x1
FFTSTILM	2x1
freeze frame table: starter control	2x1
FFTSTST1E	2x1
FFTSTST2E	2x1
FFTSTSTR	2x1
freeze frame table: power stage of variable intake manifold	2x1
freeze frame table: Intake Manifold Changover Valve Bank 2	2x1
freeze frame table: air intake temperature TANS	2x1
Freeze frame table : tankl	2x1

freeze freme table: canister purge valve	2x1
freeze frame table: evap system monitoring, small leak	2x1
freeze frame table: evap system monitoring, rough leak	2x1
freeze frame table: canister purge valve (power stage)	2x1
freeze frame table: canister purge valve power stage	2x1
freeze frame table: thermostat monitoring THM	2x1
freeze frame table: engine temperature TMOT	2x1
freeze frame table: coolant temperature of instrument panel TMKI	2x1
freeze frame table: (engine-) oil temperature TOL	2x1
freeze frame table: ambient (-air) temperature TUM	2x1
FFTTUMP	2x1
freeze frame table: battery voltage UB (onboard)	2x1
freeze frame table: onboard battery voltage via main relay UBR	2x1
Freeze frame table: monitoring of the function: torque comparison	2x1
FFTUFNC	2x1
FFTUFRLIP	2x1
FFTUFSGA	2x1
FFTUFSGB	2x1
Freeze frame table: monitoring of the function: safety fuel cut-off	2x1
FFTUFSPSC	2x1
FFTULSU	2x1
FFTULSU2	2x1
Freeze frame tabele: monitoring of the controller: RAM	2x1
Freeze frame tabele: monitoring of the controller: ROM	2x1
Freeze frame tabele: monitoring of the controller: Reset	2x1
freeze frame table: vehicle speed	2x1
FFTVFZE	2x1
FFTVFZNP	2x1
freeze frame table: immobilizer	2x1
freeze frame table: Immobilizer RC element	2x1
FFTZET1	2x1
FFTZET2	2x1
FFTZET3	2x1
FFTZET4	2x1
FFTZET5	2x1
FFTZET6	2x1
FFTZET7	2x1
FFTZET8	2x1
freeze frame table: output stage relay for auxiliary water pump	2x1
Dummy: end of table	2x1
weightingfactor extrap. manifold pressure / manifold pressure of throttle	1x1
Weighting factor for excess via KFWMIFABG	8x1
weighting factor for excessive increase above KFWMIFAL	8x1
Weighting factor for initialization of cruise control in case of resumption	4x1
FGRC_BFGR_DAT_UC	16x1
FGRC_MIFA_DAT_UC	16x1
FGRC_SFLAGS_DAT_UC	16x1
FGRC_TFLAGS_DAT_UC	16x1
FGRC_VFZG_DAT_UC	16x1
weighting factor for reduction via KFZLSD	8x1
altitude threshold for performing of ISC-actuator diagnosis	1x1
lower altitude threshold for diagnosis CPV active	1x1
default value for altitude in case of sensor failure	1x1
minimum altitude threshold to enable catalyst heating	1x1
altitude threshold to enable the compressor	1x1
minimum altitude threshold to enable secondary air injection	1x1

increase factor for filter mutiple misfire detection	1x1
Weighting factor for oxygen removal integral at catalyst monitoring	1x1
Factor for reduction of integrator if controller is at its limit (low-idle ignit	1x1
filter factor multiple misfire detection	1x1
Factor pulse abrupt	16x1
Factor pulse smooth	16x1
Faktor fьr Umrechnung Spannung in Pumpstrom	1x1
Bewertungsfaktor fьr den Pumpstrom	1x1
minimum fuel part via CPV for passive O.K. testing.	1x1
Characteristic line fuel portion depending on te / TEMIN	5x1
weighting factor for oxygen capacity depending on avkatf	3x1
weighting factor for oxygen capacity depending on avkatf2, bank 2	3x1
correction factor for knock detection thresh. in case of change of filter frequ.	1x1
correction factor for knock detection threshold during load dynamics	1x1
Corrective factor for knock detection threshold for adaptation of load dynamic	1x1
correction factor for knock detection threshold with engine-speed dynamics	1x1
Correction factor for fdar and fdars	6x1
factor for interpolation between the two pedal maps	2x1
threshold terminating factor catalyst heating	1x1
Weighting factor Lambda nominal for catalyzer heating	8x1
Weighting factor Lambda nominal for catalyzer heating	8x1
Weighting factor torque reserve for catalyzer heating	8x1
Weighting factor torque reserve for catalyzer heating during idle speed	8x1
Factor to correct fuel delivery system	16x16
Factor to correct fuel delivery system	16x16
Output of KLAF in event of PSPVDKUG	1x1
low limit for fast mass-flow correction of throttle valve	1x1
high limit for fast mass-flow correction of throttle valve	1x1
lower limit for mass-flow correction of throttle valve	1x1
high limit for mass-flow correction of throttle valve	1x1
Press. ratio from which on fkpvdk_w will not be calculated anymore	1x1
correction factor of low pass characteristic at switch of filter mean frequency	1x1
factor cold start	12x1
Factor avkatf calculation during cat. monitoring	1x1
factor enrichment during catalyst monitoring	1x1
factor enrichment during catalyst monitoring, tester's request	1x1
cat monitoring: factor for temperature gradient dependant delay time	1x1
upper limit correction factor (transient control adaptation)	1x1
lower limit correction factor (transient control adaptation)	1x1
Constant conversion factor for consumption indication	1x1
Conversion factor: wheel speed into engine speed	1x1
Correction factor of dashpot time constant	6x1
pressure corrected factor for Lambda rich	10x1
pressure corrected factor for Lambda lean	10x1
factor desired lambda at acceleration enrichment	9x1
factor desired lambda at deceleration lean	9x1
filter factor for learningfilter of fuel-on/-off adaptation	1x1
filter factor for learningfilter of fuel-off adaptation	1x1
Threshold factor for fnwkhe during catalyst heating in LLZWAZ	1x1
Factor for evaluation of threshold of richness to stop O2 purging of non monitor	1x1
Factor for evaluation of threshold of richness to interrupt cat evacuation bank2	1x1
amplification of load controller AT, converter clutch closed	8x1
Amplification factor: load controller for CVT	7x1
Factor for amplification of AR intervention in Low Range	1x1
Amplification factor for modeling of external load in Low Range	1x1
amplification of load controller	8x1

Amplification factor: vehicle model in Low Range	1x1
Factor f. torque change limitation in low range	1x1
Factor for driver's torque request determining air mass flow in low range	1x1
Factor for dashpot time constant in low range	1x1
Factor for LSD time constant in low range	1x1
upper limit value adjustment of Lambda control TV shift	1x1
upper limit value adjustment of Lambda control TV shift	1x1
lower limit value adjustment of Lambda control TV shift	1x1
lower limit value adjustment of Lambda control TV shift	1x1
factor for maximum starter working time if last start failed	1x1
factor to calculate Ua during using characteristic line v=8	1x1
Factor for purge flow directly entering into manifold	4x1
filter factor running irregularity	1x1
switch for modification 1 - calculation of running irregularity	1x1
factor: generator torque before operating temperature reached	1x1
altitude correction of torque reserve for catalyst heating	4x1
Starting value integrator for controlled increase torque reserve after start	1x1
tmst-correction of torque reserve for catalyst heating	8x1
factor for deactivation of torque reserve by cat.heating by empty BKV	6x1
Factor to calculate the converter torque depending of oil temperature	8x1
filter mean frequency area 0	1x1
filter mean frequency area 1	1x1
filter mean frequency area 2	1x1
filter mean frequency area 3	1x1
factor correction maximum torque full load	1x1
Factor to max. air mass flow for detection HFM-short cut to 5V	1x1
Engine code (CAN)	1x1
weighting of engine speed to calculate current power	4x1
Factor correction secondary air mass	1x1
Factor correction secondary air mass, bank 2	1x1
release measuring window after overstep threshold by fmsldyn	1x1
Threshold removing secondary air finished	1x1
density correction of secondary air mass	4x1
factor repeated test of after-run time calculation	1x1
Factor between wheel speed and vehicle speed f(circumference)	1x1
weighting of afterstart enrichment	4x1
factor for desired engine-speed correction	1x1
after start increase	12x1
Factor to weight the desired speed at start during catalyst heating	6x1
Factor for target engine speed during start	6x1
Factor for engine speed stabilisation by torque	6x1
upper limit value adjustment of factor post-start	1x1
upper limit value adjustment of factor post-start	1x1
lower limit value adjustment of factor post-start	1x1
lower limit value adjustment of factor post-start	1x1
FNWIVE	1x1
factor for correction of desired cam angle due to noise of inlet valve	3x1
code to deactivate the fuel-off adaptation	1x1
weighting factor for P component of air-mass controller	6x1
Inlet air temperature threshold for DV-E spring check	1x1
Engine temperature threshold for DV-E spring check	1x1
Engine speed threshold for DV-E spring check	1x1
DV-E spring check, waiting time in check step 1	1x1
DV-E spring check, waiting time in check step 2	1x1
DV-E spring check, waiting time in check step 5	1x1
DV-E spring check, waiting time in check step 6	1x1

Period for fast pulse leakage diagnosis pump	6x1
factor for pressure ratio maximum for load prediction	1x1
factor for pressure ratio at cranking	1x1
throttle angle dependent on accelerator pedal position, only for calibration	16x1
Factor for exponential decrease of flow rate	5x1
characteristic line: purge rate reduction with big frm-deviation	8x1
characteristic line: for fuel-tank underpressure limitation	6x1
progression of purge rate controller	6x1
delta-fra-threshold for detection of successful basic mixture adaptation	1x1
lower diagnostic threshold of frao correction	1x1
upper diagnostic threshold of frao correction	1x1
lower limit of correction factor frao	1x1
upper limit of correction factor frao	1x1
reduced lower threshold for frao correction	1x1
reduced upper threshold for trao correction	1x1
threshold for upper limit of the mult. rate of mixture adaption	1x1
Amplification factor: surge damping at AT	8x1
Amplification factor: surge damping at CVT	7x1
Amplif. factor: surge damp. at CVT for steady-state path	7x1
Amplif. factor: surge damping for steady-state path	8x1
lower limit of correction factor frat	1x1
upper limit of correction factor frat	1x1
lower diagnostic threshold of correction frau	1x1
upper diagnostic threshold of correction frau	1x1
lower limit of correction factor frau	1x1
upper limit of correction factor frau	1x1
reduced lower threshold for frau correction	1x1
reduced upper threshold fpr frau correction	1x1
threshold for lower limit of the mult. rate of mixture adaption	1x1
limit for lambda controller to reset Bit ""High HC-canister charge""	1x1
Multiplication factor for RIN nominal value downstream of the catalyzer	5x1
Multiplication factor for RIN nominal value downstream of the catalyzer	5x1
Factor for validation of old Ri-value without filter downstream cat	1x1
factor, relative fuel mass for application	1x1
upper limit value adjustment of factor basic adjustment	1x1
upper limit value adjustment of factor basic adjustment	1x1
lower limit value adjustment of factor basic adjustment	1x1
lower limit value adjustment of factor basic adjustment	1x1
injection correction for RLFS	11x1
correction of max. rl in dependency on the valve temperature	6x1
correction factor rlmin depending on altitude	5x1
upper limit of control range	1x1
upper frm threshold for passive switch on condition of diagnosis CPV	1x1
lower frm threshold for passive switch on condition of diagnosis CPV	1x1
upper frm threshold for passive O.K. testing of diagnosis CPV	1x1
lower frm threshold for passive O.K. testing of diagnosis CPV	1x1
Lean limit of lambda controller in case of catalyst heating with secondary air	1x1
lower threshold for diagnosis (short test)	4x1
upper threshold for diagnosis (short test)	4x1
maximum difference in lambda controller output during condition UASNAMN<ua10mo<U	1x1
filter factor segment duration filter 1 of fuel-on/-off adaptation	1x1
filter factor segment duration filter 1 of fuel-off adaptation	1x1
filter factor segment duration filter 2 of fuel-on/-off adaptation	1x1
filter factor segment duration filter 2 of fuel-off adaptation	1x1
release measuring window after remain under threshold by fslpdyn	1x1
factor: control speed of purge rate controller	1x1

weighting of factor start	4x1
upper limit value adjustment of factor start	1x1
upper limit value adjustment of factor start	1x1
ower limit value adjustment of factor start	1x1
ower limit value adjustment of factor start	1x1
Threshold of acceleration at set-value correction	1x1
Threshold of decelaration at set-value correction	1x1
factor dwell-angle correction tmot-dependent	5x1
Factor dwell angle correction tmot depending	5x1
Correction factor: duty cycle of intake camshaft f(ub)	6x1
FTDGANG	1x1
Canister charge threshold for interruption of the purge phase	1x1
upper load threshold for passive O.K. testing.	1x1
lower load threshold for passive O.K. testing.	1x1
Maximum value of the canister charge (ftead)	1x1
threshold for immediate closing of CPV from DTEV	1x1
threshold canister charge for interruption of the purge phase	1x1
threshold canister charge for switching to endless purging	1x1
max. load (factor) to run diagnosis of dynamic of LSU	1x1
Limit for flow rate of purge system to detect high concentration	1x1
Limit for purge factor to detect high concentration	1x1
characteristic line for max. purge rate = F(integral purge flow after TE-Stop)	5x1
factor tkasoll-weighting via speed	5x1
tmot-correction of lambda-weighting at catalyst heating	4x1
Minimum opening time	1x1
factor temp.offset in exhaust manifold by SAI in dependence of engine lambda	4x1
Factor dwell period at load dynamics	6x1
Opening time for interval ignition	1x1
init.-value adaptive transient control correction factor BA (cold engine)	1x1
Upper limit adaptive transient control correction factor BA (cold engine)	1x1
lower limit adaptive transient control correction factor BA (cold engine)	1x1
init.-value adaptive transient control correction factor BA (hot engine)	1x1
upper limit adaptive transient control correction factor BA (hot engine)	1x1
lower limit adaptive transient control correction factor BA (hot engine)	1x1
init.-value adaptive transient control correction factor VA (cold engine)	1x1
Upper limit adaptive transient control correction factor VA (cold engine)	1x1
lower limit adaptive transient control correction factor VA (cold engine)	1x1
init.-value adaptive transient control correction factor VA (hot engine)	1x1
upper limit adaptive transient control correction factor VA (hot engine)	1x1
lower limit adaptive transient control correction factor VA (hot engine)	1x1
Factor transient control substitute value for acceleration enrichment	1x1
Kl. factor desired lambda limitation	6x1
altitude dependent transient control post cranking factor	6x1
initial value of transient control post-start factor	9x1
Crv. factor: injection time after intake valve opens	6x1
Factor transient control substitute value for deceleration enleanment	1x1
factor calculation of canister charge (ftead) from HC-concentration	1x1
factor for density of the air	1x1
factor for switching over to map-calculation of the mass-flow through the PCV	1x1
Calculation factor pressure to load minimum	1x1
Calculation factor pressure to load minimum	1x1
Calculation factor pressure to load maximum	1x1
Calculation factor pressure to load maximum	1x1
upper limit value adjustment of factor deceleration enleanment	1x1
upper limit value adjustment of factor deceleration enleanment	1x1
lower limit value adjustment of factor deceleration enleanment	1x1

lower limit value adjustment of factor deceleration enleanment	1x1
Gain factor for forming D-component converter torque	1x1
characteristic line: filter factor for purge flow in the manifold with fresh air	6x1
dynamic factor delay of purge flow in the manifold	5x1
weighting of correction factor (transient control adaptation)	1x1
dynamic factor for purge flow in the manifold with fresh air	5x1
Evaluation factor: turbo for CAN-output	1x1
Gradient of the filling characteristic for CAN-output	1x1
Threshold of hysteresis for cut off of WOT from factor *wdkugd_w	1x1
factor for the weighting of dmvad_w in %MDMIN	8x1
recursion constant for fuel cut-in factor decreasing	1x1
recursion constant for fuel cut-in factor increasing	1x1
Factor: restart quantity, temperature-dependent (hard restart)	9x1
factor restart fuel mass dependent of desired torque	6x1
maximum factor for fuel cut-in temperature characteristic	8x1
factor temperature restart fuel mass	9x1
wall wetting factor influence of rpm	1x1
Weighting for ftbr as a function of tans	14x1
warm up correction for combustion chamber model	8x1
upper threshold for factor warm up	1x1
upper threshold for factor warm up	1x1
lower threshold for factor warm up	1x1
lower threshold for factor warm up	1x1
factor heat quantity upstream pre-cat. when dew-point end not reached last trip	1x1
factor heat quantity upstream when dew-point end not reached last trip bank2	1x1
factor heat quant. when dew-point end downstream main cat. not reached last trip	1x1
fact. heat quant. when dew-point end downstream maincat not reached last trip b2	1x1
Weighting factor for min. HFM air-mass threshold as a function of the altitude	2x1
Turn on limit nmot for interval ignition	1x1
factor to generate rlsol (application use only)	1x1
weighting afterstart decrease range 1	6x1
weighting afterstart decrease range 2	6x1
weighting afterstart decrease range 3	6x1
correction of threshold 1 for afterstart	6x1
correction of threshold 2 for afterstart	6x1
Tmot-threshold for setting overheat protection	1x1
Tmot-threshold for re-setting overheat protection	1x1
TI-threshold for setting overheat protection	1x1
TI-threshold for re-setting overheat protection	1x1
factor for ign. sync. decreasing of afterstart enrichment at hot start range 1	6x1
factor for ign. sync. decreasing of afterstart enrichment at hot start range 2	6x1
factor for ign. sync. decreasing of afterstart enrichment above SZANSSM	12x1
factor for ign. sync. decreasing of afterstart enrichment below SZANSSM	12x1
factor for ign. sync. decreasing of afterstart enrichment in range 3	12x1
Misfire frequency for deactivation of idle speed ignition angle adaptation	1x1
Cylinder individual factor at neutral camshaft position EV 1	16x1
Cylinder individual factor at neutral camshaft position EV 1	16x1
Cylinder individual factor at neutral camshaft position EV 2	16x1
Cylinder individual factor at neutral camshaft position EV 3	16x1
Cylinder individual factor at neutral camshaft position EV 4	16x1
Cylinder individual factor at neutral camshaft position EV 5	16x1
Cylinder individual factor at neutral camshaft position EV 6	16x1
Cylinder individual factor at neutral camshaft position EV 7	16x1
Cylinder individual factor at active camshaft position EV 1	16x1
Cylinder individual factor at active camshaft position EV 1	16x1
Cylinder individual factor at active camshaft position EV 2	16x1

Cylinder individual factor at active camshaft position EV 3	16x1
Cylinder individual factor at active camshaft position EV 4	16x1
Cylinder individual factor at active camshaft position EV 5	16x1
Cylinder individual factor at active camshaft position EV 6	16x1
Cylinder individual factor at active camshaft position EV 7	16x1
Normalization factor torque reserve for catalyst heating	1x1
weighting of delta ignition angle at warm-up	6x12
Engaged gear for Retard time overrun fuel cut-off	1x1
GANGNOT	1x1
maximum value for gear 3-pot-plausibility	1x1
LLR: weightning factor for D-amplification on the air path	6x1
login code to block GRA	1x1
login code to block GRA	1x1
login code to block GRA	1x1
login code to block GRA	1x1
login code to block GRA	1x1
login code to enable GRA	1x1
login code to enable GRA	1x1
login code to enable GRA	1x1
login code to enable GRA	1x1
login code to enable GRA	1x1
Length of healing interval in revolutions CrS	1x1
Lower height threshold for leakage diagnosis module	1x1
Login code for hot land deactivated	1x1
Login code for hot land deactivated	1x1
Login code for hot land deactivated	1x1
Login code for hot land deactivated	1x1
Login code for hot land active	1x1
Login code for hot land active	1x1
Login code for hot land active	1x1
Login code for hot land active	1x1
permissible deviation from frm offset threshold	1x1
Hysteresis f. nmot_w f. characteristic map addressing	1x1
hysteresis of rlnw to adress map	1x1
I2KMTR	1x1
Total transmission ratio	8x1
Amount of synchro frames for ignition output enable delay	1x1
IKMTR	1x1
Threshold of richness area of O2 purging after fuel cat off, funct. of cat-temp	5x1
Thresh. of richness area of O2 purging after fuel cut off, funct. of cat-temp.	5x1
min. amount of air flow for adaptation/additional diagnosis	1x1
min. amount of air flow for short diagnosis	1x1
air mass threshold for catalyst heating though restart detected	1x1
Threshold air mass integral before lambda control enable after cylinder cut-off	1x1
Minimum integrated air mass flow to heal error	1x1
Minimum integrated air mass flow to heal error	1x1
Minimum integrated air mass flow to heal error, end of line test	1x1
Minimum integrated air mass flow to heal error, end of line test (Bank2)	1x1
integrated flow of air-mass at hot start	1x1
integrated air mass threshold for minimum duration of cat oxygen neutralization	1x1
integrated air mass threshold for minimum duration of cat oxygen neutralization2	1x1
Max. ration factor for switch-off catalyst heating	4x1
imlpr-threshold, changing to lambda catalyst heating	8x1
threshold integrated air mass for detection fuel in oil	1x1
maximum integration threshold for error enabled in DKVS (empty tank)	1x1
imlpr-threshold, changing to lambda-exhaust request	1x1

minimum integrated air flow mass for not active check	1x1
minimum integrated air flow mass for not active check, bank 2	1x1
minimum integrated air flow mass for plausibility check	1x1
minimum integrated air flow mass for plausibility check	1x1
minimum integrated air flow mass for enhanced plausibility check	1x1
minimum integrated air flow mass for enhanced plausibility check	1x1
thresh.value integr.air mass for activ.delay of lambda contr.after fuel cut-off	1x1
threshold air mass integral removing secondary air inside exhaust	1x1
threshold air mass integral starting secondary air inside exhaust	1x1
Threshold for integral of purge mass flow after a long purge stop	1x1
threshold integrated air mass for determination ambient temperature	1x1
threshold integrated air mass for determination ambient temp. (from TANS)	1x1
increment-step for STADAP factor	3x1
Max. voltage for DK actual value pot. 1 at lower limit for function monitoring	1x1
Min. voltage for DK actual value pot. 2 at lower limit for function monitoring	1x1
Fault tolerance time for lower DK limit in invalid range for func. monitoring	1x1
Base reference pump current for LSU	1x1
Increased reference pump current for LSU	1x1
Initialization value for ""tanwrhf""	8x1
Dwell time below lower engine speed limit before activation of upper limit	1x1
integrator parameter when DTEV active in homogenous-mode	10x1
integrator parameter in homogenous mode	10x1
integrator parameter in homogenous mode when clutch engaged	10x1
input value for dynlsu_w	1x1
J2KMTR	1x1
JKMTR	1x1
moment of inertia of combustion engine scaled with MDNORM	1x1
Flow constant tube PCV - manifold	1x1
correction discharge depending on pbkvmod_w/pubkv_w	4x1
start of sampling segment time monitoring misfire detection	1x1
Temperature of the exotherme in the catalyst tkatm	7x1
Temperature of the exotherme in the catalyst , bank 2	7x1
Temperature of the exotherme in the catalyst tikatm	7x1
Temperature of the exotherme in the catalyst tikatm, bank 2	7x1
BA standardizing factor for drive	1x1
Characteristic map oxygen storage correction main catalyst	7x7
D boosting factor of PID controller for %HRLSU	1x1
evaluation factor of I-part of LRHK, f(dlashkm)	8x1
evaluation factor of I-part of LRHK, f(dlashkm), bank 2	8x1
evaluation factor of P-part of LRHK, f(dlashkm_w)	8x1
evaluation factor of P-part of LRHK, f(dlashkm), bank 2	8x1
Identification of the DLR parameter block regarding DV-E type	1x1
Int.-constant for request of torque reserve catalyst heating	1x1
KDMSFUPSPV	4x1
Recursion constant for LSU dynamics at funktion request	1x1
Recursion constant for LSU dynamics	1x1
limitation of the intervention of the ignition angle for shift towards later ign	1x1
limitation of the intervention of the ignition angle for shift towards more adva	1x1
length of the sampling window for knock control	16x1
share factor wall wetting for acceleration enrichment	7x9
map flow-characteristic of PCV (incl. PCV carcoal-canister line)	10x10
map reduction factor of the engine roughness reference value at multiple misfire	8x8
map reduction factor of the engine roughness reference value at multiple misfire	8x8
map reduction factor of the engine roughness reference value at multiple misfire	8x8
quality factor characteristic map lateral acceleration (maintenance interv prol)	9x5
factor reduction of exhaust gas temperature = f(soak time,environmental temp.)	5x6

factor reduction of exhaust gas temp. = f(soak time,environmental temp.), bank2	5x6
factor reduction for catalyst temperature = f(soak time, environm.temp.)	5x6
factor reduction for catalyst temperature = f(soak time,environm. temp.), bank2	5x6
map exhaust gas temperature correction = f(lambda)	6x6
map exhaust gas temperature correction = f(lambda) bank2	6x6
map exhaust gas temperature correktion = f(ignition-variation)	6x6
map exhaust gas temperature correktion = f(ignition) bank2	6x6
share factor wall wetting for deceleration enleanment	7x9
factor accel. enrichment (short- and long-time part)	7x9
Desired acceleration during cruise mode with brake operation	5x8
desired deceleration during cruise mode in state ""Cruise after override""	5x8
desired deceleration during cruise mode in state ""Resume from above""	5x8
Target acceleration for resumption	6x8
bank-selective mixture factor	8x8
map for definition of range characteristics (dominant..)	8x3
map for definition of range characteristics (dominant..)	8x3
map for definition of range characteristics (dominant..)	8x3
Correction of ignition angle effectiveness for diagnosis of PCV	6x4
Dynamic factor for combustion chamber temperature model negative gradient	8x6
Dynamic factor for combustion chamber temperatur model positive gradient	8x6
Char. map corr. of the lambda setpoint value for the cont. lambda controller	10x10
Char. map corr. of lambda setpoint value the cont. lambda controller, bank 2	10x10
Delta nominal Lambda for component protection((High speed map , input nmot80)	4x8
Damping of PT2 filter in positive torque slope limitation (closed converter)	6x8
map engine roughness difference dluts referenz value	8x8
map engine roughness difference dluts referenz value	8x8
map engine roughness difference dluts referenz value	8x8
map engine roughness difference dluts referenz value	8x8
upper threshold for torque-intervention during dashpot	8x6
Upper threshold for torque intervension.	8x6
upper threshold for torque-intervention at steady-state	8x6
Starting value torque filter when air-conditioner compressor is activated	6x6
Delta torque for starting negative slope limitation (closed converter)	8x6
Delta torque for starting positive slope limitation (closed converter)	6x8
delta torque for triggering of load-shock damping after shifting procedure	6x8
map for pedal influenced part of torque loss	8x8
KFDMP_UC_0	8x8
KFDMP_UC_1	8x8
map forpedal influenced part of torque loss	8x8
map forpedal influenced part of torque loss	8x8
map for temperature dependent torque (level 1)	8x8
KFDMT_UC_0	8x8
KFDMT_UC_1	8x8
map for temperature dependent torque	8x8
map for temperature dependent torque	8x8
Additional cooling required depending on tmot	5x5
Temperature correction if blockheater detected	12x12
Temperature correction if blockheater detected	12x12
char.line for gradient of engine coolant temp. during cutoff for reference model	4x5
char. map for gradient of engine coolant temperature in substitute temp. model	4x5
char. map for gradient of engine coolant temperature in reference model	4x5
char. map for correction gradient of engine coolant temp. at low warming up	4x5
map for offset intake-air temperature -> ambient temperature	4x4
Maximum deviation in camshaft position for error entry intake	6x5
Threshold for dynamic presetting values	6x16
pre-controlled dynamic derivation	16x16

threshold for dynamic presetting values	6x16
offset threshold for dynamic presetting values	6x16
Delta ignition angle with permanent knocking	12x16
Map for offset minimal ignition angle during after-start overshoot	4x4
Ignition angle correction due to knock limit shift	5x8
characteristic map for efficency at active purging when te is near TEMIN	5x3
Efficiency of heat flow through secondary air	4x4
Factor delta nominal Lambda for component protection	16x12
Number of sequential sparks	5x8
Weighting factor f. max. steady-state surge damp. intervention	6x6
threshold to detect fine leak	4x4
threshold to detect fine leak	4x4
Exhaust back pressure correction of SAI- mass flow	8x8
KFFNWE	6x6
Amplification factor at AT	7x6
amplification factor	7x6
lower limit of control range extended	4x5
Factor for torque limitation depending on engine speed and gear	8x6
characteristic map for limitation of the purge rate with no Lambda control	10x10
Characteristic map for limitation of the purge rate	4x5
map warm-up factor	12x12
map warm-up factor load dependent fraction	6x8
map weighting warm-up factor	6x6
Weighting factor for combustion chamber temperature model	8x10
threshold to detect rough leak	4x4
map for decreasing control initialization value fgnsol	6x6
Map: Height correction	5x5
factor hot start	3x6
I-Constants for I controller for different tmot & zwout	8x7
I-Constants for I controller(KOMP Integrator) for different tmot & zwout	8x7
map of air mass integral for engine warm up until thermostat monitoring check	5x5
KFIVMXNWE	8x6
map correction of afterstart-factor over anzti	12x12
knock-detection factor characteristic map ignition 1	3x16
knock-detection factor characteristic map ignition 2	3x16
knock-detection factor characteristic map ignition 3	3x16
knock-detection factor characteristic map ignition 4	3x16
knock-detection factor characteristic map ignition 5	3x16
knock-detection factor characteristic map ignition 6	3x16
knock-detection factor characteristic map ignition 7	3x16
knock-detection factor characteristic map ignition 8	3x16
HFM-correction characteristic map	14x14
mrfa-threshold for not turning off A/C-compressor	3x4
correction characteristic map oil level threshold	10x10
map for catalyst protection, weighting factors	6x6
map for desired engine temperature	5x5
desired engine temperature for cooling agent temperature control speed-dependent	5x5
Characteristic torque reserve for keeping catalyst warm, temporary	4x4
Offset Lambda engine nominal value	6x8
Weighing factor for mixture enrichment during advance angle shift towards late	6x6
Mixture enrichment during advance angle shift towards late	6x6
map for lambda correction in secondary air	8x8
map lambda engine during afterstart	12x12
map lambda engine during afterstart	12x12
map lambda engine request at catalyst heating during afterstart	12x6
map lambda engine request at catalyst heating during afterstart	12x6

Performance characteristics lambda exhaust nominal at catalyst heating	8x8
map lambda engine nominal at warming up with active A/F control	12x12
Nominal Lambda for component protection	16x12
lambda characteristic map at part load	16x12
map for lambda engine nominal at catalyst heating with tmst less than TMSTLMS	8x8
characteristics lambda engine nominal at catalyst heating (lean concept)	8x8
characteristics lambda engine nominal at catalyst heating (rich concept)	8x8
Characteristic map control parameter g1 continuous lambda controller	8x7
Characteristic map control parameter g2 continuous lambda controller	8x7
Characteristic map control parameter g4 continuous lambda controller	8x7
Characteristic map control parameter p1 continuous lambda controller	8x7
Characteristic map control parameter p2 continuous lambda controller	8x7
Characteristic map control parameter p3 continuous lambda controller	8x7
Characteristic map control parameter p4 continuous lambda controller	8x7
Map Time Delay	8x7
Characteristic map time constant of the LRS, 16-bit	8x7
Delta torque: release of load reversal damping at open lockup clutch	3x8
map for engine roughness distance reference value	8x8
map for engine roughness distance reference value	8x8
map for engine roughness distance reference value	8x8
map for engine roughness distance reference value	8x8
map for engine roughness distance reference value for valve lift high	8x8
Conversion: duty cycle of the fan control into actual state of the fan control	6x6
map for engine roughness - reference base value	8x8
map for engine roughness - reference base value	8x8
map for engine roughness - reference base value	8x8
reference base value map for engine roughness for misfire detection	8x8
reference base value map for engine roughness for misfire detection	8x8
map for starting measuring window knock control	4x16
map with the value of the torque limitation	7x4
Torque for power steering dependent on steering angle gradient	6x6
Torque intake generator	3x6
Characteristic torque reserve for catalyst heating	8x8
Characteristic torque reserve for catalyst heating	8x8
Characteristic torque reserve for catalyst heating at idling	8x8
map for torque needed for air condition	6x6
look-up-table: torque loss depended of rl, nmot	6x6
look-up-table: torque loss dyn. part dependent on rl, nmot	6x6
map for engine drag torque	11x16
Max. limit for torque taken up by converter	8x6
indicated torque with missing gearbox message	5x5
delta torque for gradient limitation	8x8
delta torque for gradient limitation at open clutch	4x8
Indicated driver's request torque for charge path at load-shock damping	8x8
Initial value for positive torque slope limitation	8x6
minimum drag torque	8x8
map optimum engine torque	11x16
map optimum engine torque	11x16
map for calculation of nominal charge	16x16
map of optimum engine torque in instruction test	8x8
map of optimum engine torque in function monitoring	8x8
air mass flow threshold for min. failure	9x8
air mass flow threshold for max. failure	9x8
map for misfire modes and their parameter	8x6
map for offset tolerance depending on permissible torque (level 1)	8x8
map for offset tolerance depending on permissible torque in instruction test	8x8

map for offset tolerance depending on permissible torque	8x8
Map torque reserve at tester demand of active SAI-diagnosis	4x4
Map torque reserve at tester demand of SAI-diagnosis short test	4x4
LLR: torque reserve at idle and near-idle zone	4x6
LLR: torque reserve at idle and near-idle zone for B_fs=1	4x6
LLR: torque reserve at idle and near-idle zone clutch disengaged	4x6
Torque reserve during catalyst heating	4x6
Torque reserve in non idling state	4x6
Torque margin dependent on tans	4x4
standardised air mass flow through throttle valve	8x16
standardised air mass flow through throttle valve	8x16
idle speed while catalyst heating with automatic gear box in drive-position	4x8
map after-run timein case of re-triggering	5x5
Nominal idling speed during catalyzer heating	4x8
idle speed after start	6x6
map after-run time	5x5
map after-run time from TUM/TMOT	5x5
after start increase	3x6
map for control up engine during catalyst heating	4x5
engine speed limit until STADAP is active	4x4
weighting of afterstart enrichment	6x8
Determ. of the adaption range f. flank adapt. intake phase sensor	4x4
Determ. of the adaption range f. first edge adapt. intake phase sensor	4x4
KFNWDE	8x1
Fuel cut in map depending on rpm	8x5
Map f. camshaft spread at catalyst heating (intake)	8x16
Map f. camshaft spread at catalyst heating cold engine (intake)	8x16
Map f. camshaft spread at catalyst heating and B_II (intake)	5x5
Map f. camshaft spread at catalyst heating and B_II cold engine (intake)	5x5
desired cam angle for detonation inlet	8x16
map for camshaft position in idle (intake)	5x5
map : nominal angle of camshaft, general conditions (intake)	8x16
factor for transition cold to warm maps at desired intlet valve angle	4x6
map : nominal angle of camshaft at warm-up (intake)	8x16
Map f. camshaft spread during warm-up at B_II (intake)	5x5
KFNWWUE	16x18
Oil level threshold for output to station wagon	8x8
Characteristic map OSC of a new main catalyst	8x8
Characteristic map OSC of a new main catalyst, bank 2	8x8
map of OSC of the end of life catalyst	8x8
accelerator pedal characteristic	12x16
relative driver request for low speed driving	12x16
Pedal characteristic for reverse gear (only automatic transmission)	12x16
int. partial exhaust gas press. dependent on cam.adjustment by inlet cam. contro	14x10
int. partial exhaust gas press. dependent on cam.adjustment by inlet cam. contro	14x10
int. partial exhaust gas press.dep.on cam.adjust. by act.1.u. 2.flap(inlet-cam.)	14x10
int. partial exhaust gas press.dep.on cam.adjust. by act.1.u. 2.flap(inlet-cam.)	14x10
int. partial exhaust gas pressure dep. on cam.adjust. by act. 2.flap(inlet-cam.)	14x10
int. partial exhaust gas pressure dep. on cam.adjust. by act. 2.flap(inlet-cam.)	14x10
internal partial exhaust gas pressure dep. on cam.adjust. sumode=1 (inlet-cam.)	14x10
internal partial exhaust gas pressure dep. on cam.adjust. sumode=1 (inlet-cam.)	14x10
pulsation characteristic map	14x14
pulsation characteristic map	14x14
pulsation characteristic map	14x14
pulsation characteristic map	14x14
map for relative permissible torque from the pedal position in torque limitation	8x8

KFPZU_UC_0	8x8
KFPZU_UC_1	8x8
map for relative permissible torque from scaled pedal position in torque monitor	8x8
map for relative permissible torque from the pedal position in torque monit	8x8
Cooling fan requirement from engine bay	5x5
Map for desired fan speed	6x6
KFQNLUE2	6x6
Map for purge rate increase / decrease	5x6
map P component of controller to trigger the fan	5x5
Map: heat flow ECC	5x5
Map: heat flow / increased cooling required	5x5
Charge dependent gradient of FRAT integrator	5x1
MAP for Nernst resistor post cat	3x5
MAP for Nernst resistor post cat bank 2	3x5
characteristic map for load signal calculation on throttle angle	8x8
Minimum charge during fuel on	6x12
Minimum rl during fuel cut off	6x12
Minimum charge during after start	6x6
Load/speed performance characteristics for suction tube switchover	8x12
map for intake manifold switch over, flap 2	8x12
Load/speed performance characteristics for suction tube switchover (cold temp.)	8x12
Load/speed performance characteristics for suction tube switchover 2(cold temp.)	8x12
Threshold of the ign.-angle timing retards for ignition-angle map switch-over	12x16
Dwell period correction dependent on UB	16x7
Dwell angle characteristic map	8x8
dynamic evaluation factor for close off of PCV	4x5
map exhaust gas temperature f(nmot,rl)	8x8
map exhaus gas temperature f(nmot,rl) bank2	8x8
map for max. duty cycle	6x10
Debouncing time for setting the error non-plausible position of intake camshaft	4x5
characteristic map of desired fuel portion purge control	5x5
Characteristic map for period time of the PCV	9x5
map of desired temperature at crankshaft output dependent on nmot and rl	5x5
Correction map for the command value calculation of radiator outlet temp.	5x5
map for desired temperature at cooling water outlet	5x5
map to evaluate the desired TKA temperature	5x5
Map	5x5
Map: suppression time of the compressor after start	2x2
Dwell period correction dependent on engine speed gradient	8x3
Dwell period map	10x9
map: needed duty cycle for ETR	6x6
Map: Lambda controll after this time reset at reference value	3x4
conversion of fan speed into duty cycle fan 1	6x6
Backup value: duty cycle for fan 1	4x4
conversion of fan speed into duty cycle fan 1	6x6
Backup value: duty cycle for fan 1	4x4
Duty cycle for fan 1 in after run	6x6
Duty cycle for fan 2 in after run	6x6
Retard time for overrun fuel cut-off	8x5
Retard time overrun fuel cut-off for Engaged gear	8x5
map delay time fuel cutoff depend on gear step	8x3
delay time for fuel cut-off at high speeds and high catalyst temperatures	4x8
characteristic map for CVP delay time	3x6
Period duration for detecting very small leakage (>= 0.5mm) at tester request	4x4
conversion factor from ps->rl dependent on cam.adjustment by inlet camshaft	14x10
conversion factor from ps->rl dependent on cam.adjustment by inlet camshaft	14x10

conv. factor from ps->rl dep.on cam.adjustment by act.1.+2.flap by inlet cam.	14x10
conv. factor from ps->rl dep.on cam.adjustment by act.1.+2.flap by inlet cam.	14x10
conversion factor from ps->rl dep. on cam.adjustment(sumode=1) by inlet camshaft	14x10
conversion factor from ps->rl dep. on cam.adjustment(sumode=1) by inlet camshaft	14x10
conversion factor from ps->rl dep. on cam.adjustment(sumode=1) by inlet camshaft	14x10
conversion factor from ps->rl dep. on cam.adjustment(sumode=1) by inlet camshaft	14x10
lambda sensor reference value for lambda control downstream of catalys	10x10
factor decel. enleanment (short- and long-time part)	7x9
Weighting factor delay lean-off f. Labdaist > 1.0	5x9
Weighting of VA over lamsbg	4x3
velocity offset for cruise control	8x6
desired throttle angle	8x16
desired throttle angle	8x16
max. desired throttle angle	8x12
desired throttle position at start-up	4x12
desired throttle position at start-up - f (hight, engine start temperatur)	4x12
characteristic map angle end of injection	8x8
map for end of injection angle (cold parameters)	8x8
characteristic map angle end of injection during start	8x8
Injection angle correction depending on engine temperature	6x8
map weighting of hot start factor	8x6
factor cold re-start for reduction of starting fuel	4x4
map weighting of factor cold start	4x4
map weighting of factor cold start	12x12
map for height-dependence of warm-up factor	6x4
map for heat-quantity threshold dew-point end upstream bank1	5x7
map for heat-quantity threshold dew-point end upstream bank2	5x7
Excess factor for torque change limitation	4x4
excessive increase factor for charge path at load-shock damping	4x4
map for heat quantity threshold dew-point end downstream	5x7
map for heat quantity threshold dew-point end downstream bank 2	5x7
map weighting afterstart-factor dependent on camshaft adjustment	5x3
Map f. camshaft spread during intake application phase	8x12
Weighting performance characteristica for NW nominal angle outlet	8x8
Weighting performance characteristica for NW nominal angle inlet	8x8
Inverse pedal characteristic for cruise mode	12x16
afterstart correction with start adaptation and relativ air charge	6x6
map weighting warm-up factor	8x6
map weighting warmup-factor dependent on camshaft adjustment	5x3
repeated start time factor	8x8
reduction factor for time constant load-shock damping	4x4
threshold to detect microfine leak (>=0.5 mm)	4x4
Time constant for negative torque slope limitation	6x8
time constant PT1-filter dashpot at low clutch torque	6x8
Time constant for positive torque slope limitation	6x8
time constant for decay of reference speed	6x6
Map f. reduction factor K-memory (tmot, nmot) for decel. enleanment	7x9
Ignition advance-angle characteristik map	12x16
Ignition advance-angle characteristik map	12x16
Ignition advance-angle characteristik map	12x16
Ignition angle performance characteristics variant 2	12x16
Ignition angle performance characteristics variant 2	12x16
Ignition angle performance characteristics variant 2	12x16
Map for minimal ignition angle, describes burning limit.	12x16
Map for minimal ignition angle catalyst warm-up (engine roughness limit)	12x16
minimal ignition spark advance for engine start and after start	12x16

Map for ignition value as latest possible value, describes temperature limit.	12x16
Optimal ignition angle	11x16
Optimal ignition angle, inlet camshaft in calibrated position HOM	11x16
Ignition angle during start	6x6
Delta ignition sparc advance during engine warm up phase	12x12
Delta ignition sparc advance during engine warm up phase	6x12
map of optimum ignition angle in instruction test	8x8
map of optimum ignition angle	8x8
maximum value of HC concentration in purge flow (by B_abor)	1x1
minimum value of HC concentration in purge flow	1x1
maximum value of HC concentration in purge flow	1x1
Delay in the Warm adaptation - %LLZWAZ	1x1
Integration speed for the calculation of the mass flow change PCV	1x1
Integrator amplification of vehicle model at CVT	7x1
amplification of vehicle model integrator at AT, converter clutch closed	8x1
amplification of vehicle model integrator	8x1
I boosting factor of PID controller for %HRLSU	1x1
I-component for continuous LRHK	8x1
Correction value for idling air mass integrator for E gas	1x1
Gain of integral component rpm control in case of disabled throttle drive	1x1
Gain of integral component rpm control for normal operation	8x8
Integration speed matching of mass flow PCV with calculated mass flow	4x1
integrator speed constant for intake manifold model	1x1
integrator speed const. for intake manifold model by 1.+2.flap	1x1
integrator speed const. for intake manifold model by 2.flap	1x1
integrator speed constant for intake manifold model by sumode=1	1x1
Gain factor for I-component of VMAX control	8x1
amplification rate during cruising for cruise control	8x1
characteristic of Saint-Venant	513x1
characteristic of Saint-Venant	513x1
characteristic of Saint-Venant	513x1
characteristic of Saint-Venant of purge control valve an line AKF-TEV	14x1
Cooling output increase level 1	1x1
Cooling output increase level 2	1x1
Replacement value: cooling output	1x1
Cooling output increase at 1. max. desired engine temperature	1x1
Cooling output increase at 2. max. desired engine temperature	1x1
Duty cycle fan control 1 for max. cooling power increase	1x1
Duty cycle fan control 2 for max. cooling power increase	1x1
Correction characteristic: fan control depending on the start-up behaviour	5x1
Temperature of the exotherme decrease during enrichment tikatm	6x1
Temperature of the exotherme decrease during enrichment tikatm, bank2	6x1
Temperature of the exotherme decrease in cat during ignition retard tikatm	6x1
Temperature of the exotherme decrease in cat during ignition retard tikatm, bank	6x1
Temperature of the exotherme decrease during enrichment	6x1
Temperature of the exotherme decrease during enrichment, bank 2	6x1
Temperature of the exotherme decrease in cat during ignition retard tkatm	6x1
Temperature of the exotherme decrease in cat during ignition retard, bank2	6x1
charac. line currently start mixture adap.of trans. control during accele.	4x1
characteristic curve deceleration	8x1
characteristic line for definition of range characteristics (dominant..)	4x1
characteristic line for definition of range characteristics (dominant..)	4x1
characteristic line for definition of range characteristics (dominant..)	4x1
Threshold to switch off generator load	1x1
Threshold to switch on generator load	1x1
Array for definition of the PID$41-group of %DKVS	12x1

Array for definition of the PID$41-group of %DKVS	12x1
setting reserve at ASR intervention	5x1
KLDMD2P41	13x1
KLDMD2P41	13x1
Maximum delta torque for air path	8x1
speed dependensy of throttle-angle for Wide Open Throttle	6x1
Weighting minimum difference in engine-speed for detected combustion	4x1
characteristic curve: torque reserve for speed undershoot	6x1
charact. line delta TMOT- threshold for not plausible fixed signal	8x1
char. curve allowed synchronization failure between APM signal 1 and 2	5x1
Threshold value to enable brake in cruise control mode	4x1
Des. angle change of intake camshaft at active variable tract intake manifold	5x1
ignition efficiency depending on delta ignition angle in instruction test	8x1
ignition efficiency depending on delta ignition angle in monitoring	8x1
characteristic line for efficiency of split in instruction test	8x1
characteristic line for efficiency of split in function monitoring	8x1
Speed dependent ramping-down factor of the heat excess	4x1
correction factor when AC-torque by CAN	4x1
KLFNWPE	8x1
speed-dependent decreasing cont. factor of heat flow from air-cond. condenser	4x1
Look up table control factor from engine temperature	4x1
characteristic linefor the weighting factor of deceleration during post-cranking	9x1
Spark retard gradient of burning limit during after-start at cat.heating	6x1
Spark retard gradient of burning limit during after-start	6x1
KLHLS2P41	16x1
KLHLS2P41	16x1
Gradient constant for non-active debouncing	5x1
characteristic line for threshold of integrated air mass f.thermostat monitoring	4x1
KLKAT2P41	2x1
KLKAT2P41	2x1
characteristic line: proportional factor between temp. deviation and corr.factor	11x1
ambient pressure correction lambda catalyst heating	4x1
table for permissible torque of idle control	8x1
characteristic of permitted torque for idle speed control in instruction test	8x1
characteristic of permitted torque for idle speed control	8x1
KLLS2P41	42x1
KLLS2P41	42x1
look-up-table electric fan-torque	4x1
look-up-table electric fan-torque 2	4x1
table for maximum indicated engine torque	8x1
characteristic of maximum torque in instruction test	8x1
characteristic of maximum torque	8x1
table for minimum indicated engine torque	8x1
characteristic of minimal torque in instruction test	8x1
characteristic of minimal torque	8x1
altitude correction of mimin_w	6x1
Threshold load fuel cut-off detection for deactivating misfire detection in idle	8x1
Max. air mass for condition diagnosis short test (16 bit)	5x1
Max. air mass for condition diagnostic function (16 bit)	5x1
max. engine air mass for release SAIR-diagnosis	5x1
max. engine air mass for release SAIR-diagnosis by active diagnosis	5x1
max. engine air mass for release SAIR-diagnosis during offset phase	5x1
Conversion: duty cycle of the fan control into amount of heat to be drawn-off	5x1
max. engine air mass for release SAIR-Diagnosis (phase 3)	5x1
map: temperature depending torque reserve limit	4x1
characteristic for torque reserve after start	10x1

map: altitude depending torque reserve	10x1
map: altitude depending torque reserve fpr engaged driving position	10x1
Correctionb factor altitude depending torque reserve	3x1
map for engine speed dependent torque	8x1
charcteristic for engine speed dependent torque in instruction test	8x1
characteristic for engine speed dependent torque	8x1
Characteristic line minimum engine speed for diagnosis inlet camshaft control	6x1
After-run request depending on the oil temperature	6x1
abort condition for after-run time dependent on the ambient temperature	6x1
Post run time dependent on exhaust gas temperature	5x1
Correction factor: after-run time via ambient temperature	4x1
Speed lim. as func. of nom. pedal value, in DK drive standby; instruction test	8x1
Speed lim. as func. of nominal pedal value, in DK drive standby func.,func.mon.	8x1
speed/velocity ratio for actual gear	6x1
login code for customer service	1x1
login code for customer service	1x1
login code for customer service	1x1
login code for customer service	1x1
login code for customer service	1x1
Oil level of filling characteristic linie (oil temperature sensor)	10x1
characteristic linie for evaluation factors depending on oil temperature	9x1
Temperature characteristic linie (oil temperature sensor)	13x1
Characteristic curve: Exhaust-gas pressure downstream of outlet valve	8x1
characteristic exhaust gas pressure upstream main catalyst	8x1
characteristic exhaust gas pressure uppstream pre catalyst	8x1
CL for corr. of pbrintro_w dependent on pressure rate manifold/exhaust valve	8x1
Characteristic line of relative heater output to initialize accumulator	4x1
heat derivation for air-conditioner condenser when compressor off	5x1
heat derivation for air-conditioner condenser	5x1
maximum filling at WOT and standard condition	11x1
Caracteristic line: transfomation of internal resistor of nernst cell into temp.	22x1
Threshold delta voltage max. per computation cycle	4x1
KLSLS2P41	5x1
KLSLS2P41	5x1
time for deactivating misfire detection after engine start	4x1
maximum overall starter working time	4x1
Conversion line for tank pressure sensor DS-T2	6x1
KLTES2P41	7x1
KLTES2P41	7x1
delta engine cool. start temp. for verification/healing of thermostat monitoring	5x1
char. line (fix point) for current error path tkaadfp (DFP-number of monitored	100x1
char. line (fix point) for timeout-value tkaatoz	100x1
Diagnosis threshold dependent on battery voltage for ceramics temperature	4x1
char. line (fix point) for short-trip demand of measurement-block-number tkkta	100x1
Characteristic curve for delay time TKTSTOER	4x1
Difference of engine temperature during ecu-afterrun for condition hot start	6x1
map desired engine temperature in dependency on the knock control timing retard	4x1
Time for engine speed prediction of rpm control	8x1
characterisitic for tooth times at reverse rotation	3x1
Characteristic delay time after end of start to enable diagnosis outlet camshaft	6x1
Characteristic delay time after end of start to enable diagnosis inlet camshaft	6x1
Characteristic curve for delay time TUSHKV	4x1
Adjustment time of camshaft	6x1
char. line max. summarized time off limits to disable thermostat monitoring	8x1
characteristic curve: torque reserve for standing start	4x1
Weighting desired throttle position at start-up	4x1

Offset desired throttle position at start-up	3x1
weight of throttle position at start up with intake air temperatur	4x1
angle 'End of ignition' during start-up	4x1
KLWSNWE	8x1
KLWSRNWE	8x1
characteristic line for weighting of high for afterstart deactivation	8x1
ignition angle correction due to air-fuel ratio(1st Bank) in instruction test	8x1
ignition angle correction due to air-fuel ratio(1st Bank) in function monitoring	8x1
ignition angle correction due to air-fuel ratio(2nd Bank) in instruction test	8x1
ignition angle correction due to air-fuel ratio(2nd Bank) in function monitoring	8x1
time constant for engine gradient filter	7x1
basic ignition angle retarded as much as possible	8x1
factor for integration of dtimx_w for limitation of torque	1x1
Constant for purge mass in tube PCV-manifold at norm-pressure and -temp.	1x1
gain factor for filtering msdk	1x1
Filter constant for filter max. gradient for sensor downstream catalyst	1x1
Engine speed follow-up inhibition band	1x1
KNWBNE	1x1
KNWBPE	1x1
KNWVTKE	8x1
factor by low oil level	1x1
P boosting factor of PID controller for %HRLSU	1x1
P-component for continuous LRHK	8x1
Gain factor P-component of VMAX control	8x1
amplification rate at ramp for cruise control	8x1
load range for adaption maps 1	16x1
load range dor adaption maps 2	16x1
load range for adaption maps 3	16x1
load hysterisis for adaptation maps	1x1
speed range for adaption maps, Stьtzstelle 1	1x1
speed range for adaption maps, Stьtzstelle 2	1x1
speed range for adaption maps, Stьtzstelle 3	1x1
speed range for adaption maps, Stьtzstelle 4	1x1
n hysterisis for adaptation maps	1x1
n hysterisis for adaptation maps	1x1
knock control difference current ignition angle to adaption map	1x1
allowed ignition advancement while reading adapted values	1x1
The SV-learning value for KR adaption after knocking detected	1x1
The FV-learning value for KR adation when wkra-wkr > KRDWA	1x1
knock control delta angle safety	16x1
fault frequency - knock sensors	1x1
error frequency, test pulse	1x1
error frequency, test pulse	1x1
error frequency, test pulse	1x1
KRFKLN	16x1
retard step knock occurrence	16x1
correction value for model secondary air mass in dependence on rmslf	4x1
low pass characteristic normal	1x1
low pass characteristic normal	1x1
low pass characteristic at engine speed dynamics	1x1
low pass characteristic at load dynamic	1x1
maximum correction value krivk_w	1x1
selected knock detection threshold, if missing cylinder one detection	1x1
conversion from relative fuel mass rk into effective injection time te	1x1
conversion from relative fuel mass rk into effective injection time te	1x1
KRLVFN	16x1

maximum retard adjustment	16x1
rpm limit for lead by leading cylinder	8x1
number of firings/cyl. or time for ignition advancing	16x1
number of firings/cyl. or delay-time during fast ignition advancing of the KC	16x1
gain after cranking	1x1
initialise value for adaptation values	1x1
Characteristic line mass flow dependent scaling factor oxygen storage correction	4x1
Characteristic line OSC dependent scaling factor oxygen storage correction	5x1
Initialization value of STADAP factor in range 0	1x1
Initialization value of STADAP factor in range 1	1x1
Initialization value of STADAP factor in range 2	1x1
workingrange for STADAP factor	12x1
Minimum limit of STADAP factor in range 0	1x1
Minimum limit of STADAP factor in range 1	1x1
Minimum limit of STADAP factor in range 2	1x1
Maximum limit of STADAP factor in range 0	1x1
Maximum limit of STADAP factor in range 1	1x1
Maximum limit of STADAP factor in range 2	1x1
minimum operating time since PWF for starting fuel adaptation	1x1
number of knock sensor	1x1
number of knock sensor	1x1
I-factor for ramp lamlash in short test for test function post catalyst	1x1
fuel quantity / cylinder for calculation of equivalent consumption	1x1
KTNWDE	8x1
Time constant f. limit. of des. value change (intake camshaft / cold)	5x5
Time constant f. negative limit. of des. value change (intake camshaft)	5x5
Time constant f. positive limit. of des. value change (intake camshaft)	5x5
KUBERROR	1x1
KUBHEAL	1x1
conversion constant from mass flow to relative air charge	1x1
conversion constant from mass flow to relative air charge	1x1
max. correction value of offset of output amplifier of evaluation IC of LSU	1x1
max. value of the accumulated fuel consumption	1x1
constant for consumption indication	1x1
air charge correction caust by boost pressure dynamic	1x1
standardized fuel consumption per cylinder for instrument cluster output	1x1
standardized fuel consumption per cylinder for instrument cluster output	1x1
Number of fault pathes for definition of the PID$41-group of %DKVS	1x1
Number of fault pathes for definition of the PID$41-group of %DKVS	1x1
KWDMD2P41	1x1
KWDMD2P41	1x1
KWHLS2P41	1x1
KWHLS2P41	1x1
KWKAT2P41	1x1
KWKAT2P41	1x1
KWLS2P41	1x1
KWLS2P41	1x1
KWSLS2P41	1x1
KWSLS2P41	1x1
KWTES2P41	1x1
KWTES2P41	1x1
KZNWVNE	8x1
KZNWVPE	8x1
Lower limitiation of the process compensation for low-idle ignition angle adapta	1x1
Upper limitiation of the process compensation for low-idle ignition angle adapta	1x1
boost pressure filtering for calculation of delta boost pressure	1x1

Threshold for lambda difference for LRS-reset at enleanment protection	1x1
Threshold f. weighting factor delay lean-off f. Labdaist > 1.0	1x1
LAERROR	1x1
rich threshold for LSU readiness	1x1
LAHEAL	1x1
Upper threshold for lambda stabilized, cat monitoring	1x1
Lower threshold for lambda stabilized, cat monitoring	1x1
Characteristic line lambda=f(oxygen concentration)	25x1
lambda linearization, sensor behind catalyst	10x1
lambda linearization, sensor behind catalyst, bank 2	10x1
minimum measurable lambda	1x1
minimum measurable lambda	1x1
lambda linearization, sensor behind catalyst	10x1
lambda linearization, sensor behind catalyst	10x1
Upper lambda threshold for dynamics check LSU	1x1
Lower lambda threshold for dynamics check LSU	1x1
Lambda driver demand	6x15
lambda enriched engine-running limit for secondary-air injection	6x1
default lambda value for catalyst purge function is inactive	1x1
lambda setpoint for catylyst deoxidation (dependent on air mass)	5x1
Min. Lambda set point (rich) for the test oscillation check downstream cat	1x1
Rich running limit during short test	1x1
lambda enriched engine-running limit	12x1
Lean running limit during short test	1x1
lambda limit ""lean""	12x1
minimum of lambda threshold for mixture adaptation active	1x1
maximum of lambda threshold for mixture adaptation active	1x1
Lower plausibility threshold for Lambda	1x1
Upper plausibility threshold for Lambda	1x1
Lambda pre-control at rl values < RLLAMMN to enhance combustibility	1x1
LAMSAUF	1x1
LAMSAUM	1x1
upstream lambda for detection of lean condition of cat oxygen neutralization	1x1
upstream lambda for detection of lean condition of cat oxygen neutralization, b2	1x1
LAMSONMN	1x1
LAMSONMX	1x1
Lambda sensor upper limit for 1.0	1x1
Lambda sensor lower limit for 1.0	1x1
Minimum set value for lambda in stoichiometric operation	1x1
Maximum set value for lambda in stoichiometric mode	1x1
I-factor for ramp increase lamlash for tst function post catalyst	1x1
minimum of lambda threshold for canister purge control active	1x1
maximum of lambda threshold for canister purge control active	1x1
LAMUKAF	1x1
LAMUKAM	1x1
Lambda exhaust nominal at secondary air adaption/short test	4x1
initial value for dynamic increase of desired value (lamsolh) in the LRHK	1x1
target lambda value for bank shutdown	1x1
rich threshold for setvalue of lambda for plausibility check	1x1
lean threshold for setvalue of lambda for plausibility check	1x1
tmot-correction of lambda exhaust nominal	4x1
offset lambda engine nominal with inactive A/F control	12x1
Value accumulated if there is a loss of the reference gap	1x1
Initializing value for the counter of lost reference marks	1x1
Maximum value of the counter for lost reference gaps	1x1
Differential value between the registration of E_bm and the activation of NLDG	1x1

Threshold of lbz to increase the target engine speed when leaving idle	1x1
Threshold of lbz to increase the target engine during idling	1x1
Threshold of lbz to decrease the target engine speed when leaving the idle	1x1
login code to block LFW	1x1
login code to block LFW	1x1
login code to block LFW	1x1
login code to block LFW	1x1
login code to enable LFW	1x1
login code to enable LFW	1x1
login code to enable LFW	1x1
login code to enable LFW	1x1
lower integrator limit for standing car	1x1
lower integrator limit for diagnostic of idle speed control	1x1
lower integrator limit for DTES	1x1
lower integrator limit for rolling car	1x1
upper integrator limit for standing car	6x1
upper integrator limit for rolling car	6x1
value of idle speed control integrator during start	6x1
Speed limit for speed undershoot.	1x1
load-signal threshold knock control adaptation	16x1
load-signal threshold knock control	16x1
lambda value (rich), cat. monitoring	1x1
lambda value (rich), cat. monitoring, quick test	1x1
lambda value (lean), cat. monitoring	1x1
lambda value (lean), cat. monitoring, quick test	1x1
Configuration byte for ISC integrator	1x1
tmot-correction of lambda engine nominal	4x1
natural logarithm from temperature quotient	12x1
minimum integrator limit of the continuous LRHK	1x1
maximum integrator limit of the continuous LRHK	1x1
Waiting time during learning step 1	1x1
Waiting time during learning step 3	1x1
Waiting time during learning step 7	1x1
Waiting time during learning step 9	1x1
Time during which learning is forbidden for 'normal learning'	1x1
Time during which learning is forbidden for 'normal learning'	1x1
Correcting char. line of the control parameters at low engine temperatures	6x1
Periode time of the LRS compulsory amplitude	1x1
Characteristic line amplitude of a/f ratio modulation in LRS	6x1
Left toggle point pulsation correction switch 1	1x1
Left toggle point pulsation correction switch 2	1x1
Left toggle point pulsation correction switch 3	1x1
Lower threshold for LSU not active	1x1
Upper threshold for LSU not active	1x1
Alternative fan configuration 1 for CWLUEKO via login code	1x1
Alternative fan configuration 2 for CWLUEKO via login code	1x1
Alternative fan configuration 3 for CWLUEKO via login code	1x1
Login code for engine speed window 1 active (fan control)	1x1
Login code for engine speed window 1 active (fan control)	1x1
Login code for engine speed window 1 active (fan control)	1x1
Login code for engine speed window 1 active (fan control)	1x1
Login code for engine speed window 2 active (fan control)	1x1
Login code for engine speed window 2 active (fan control)	1x1
Login code for engine speed window 2 active (fan control)	1x1
Login code for engine speed window 2 active (fan control)	1x1
Login code for engine speed window 3 active (fan control)	1x1

Login code for engine speed window 3 active (fan control)	1x1
Login code for engine speed window 3 active (fan control)	1x1
Login code for engine speed window 3 active (fan control)	1x1
reference value for engine roughness, vehicle speed zero	4x1
engine roughness referenz value for stop of the fuel-on/-off adaptation	1x1
Engine roughness reference corr. value at cat heating in 1. interval	6x1
engine roughness reference correcting value depending on engine temperature	8x1
speed dependensy of engine roughness referenz minimum value 1	8x1
speed dependensy of engine roughness referenz minimum value 2	8x1
speed dependensy of engine roughness referenz minimum value 3	8x1
engine roughness referenz minimum value during cat-heating in 1. interval	1x1
reference correction factor for engine roughness, after start	6x1
Torque for power steering without angle sensor	1x1
assignment of guiding cyl.: bank1 guides bank2	8x1
assignment of guiding cyl.: bank2 guides bank1	8x1
guide cylinder assignment	8x1
Oxygen mass criterion for full front catalyst	1x1
max. switch on number of SAP during driving cycle	1x1
max. switch on number of SAP during driving cycle	1x1
Torque request for AT in position N/P	8x1
Torque component (pump component) AT transmission in gear selection R	8x1
number of misfires to stop adaptation (healing) when B_kh = 1	1x1
number of misfires to stop adaptation (healing)	1x1
Look up table for torque limitation by high exhaust temperature	6x1
MDGENER	1x1
maximum of transmission torque in failsafe mode (CAN)	6x1
torque-gradient limitation with missing gearbox message	1x1
Torque to compensate the windshield heating (stat.)	1x1
Torque to compensate the rear windscreen heating (stat.)	1x1
torque-hysteresis for decision cylinder fuel cut-off	1x1
Maximum indicated engine torque	1x1
Maximum indicated engine torque	1x1
Maximum indicated engine torque	1x1
Maximum indicated engine torque	1x1
Maximum indicated engine torque	1x1
Maximum indicated engine torque	1x1
Torque threshold to shut down the compressor during acceleration	8x1
Torque threshold to switch the AC-compressor off	8x1
Torque threshold to switch the AC-compressor on	8x1
Torque threshold of AC-compressor for motor mount control	1x1
Torque threshold of AC-compressor for motor mount control	1x1
maximum torque for output to instrument cluster	1x1
Maximum limit indicate engine torque standardization	1x1
Maximum limit indicate engine torque standardization	1x1
Maximum limit indicate engine torque standardization	1x1
Maximum limit indicate engine torque standardization	1x1
Maximum limit indicate engine torque standardization	1x1
Maximum limit indicate engine torque standardization	1x1
Maximum limit indicate engine torque standardization	1x1
Maximum limit indicate engine torque standardization	1x1
upper limit value adjustment of torque margin idle control	1x1
upper limit value adjustment of torque margin idle control	1x1
lower limit value adjustment of torque margin idle control	1x1
lower limit value adjustment of torque margin idle control	1x1
Part of the resistant torque depending on altitude	6x1
Torque request of the power steering	1x1

Torque to compensate the secondary air pump (stat.)	1x1
Torque to compensate the secondary air pump (switching on)	1x1
temperatuer share of enginie friction torque	10x1
torque demand of countershaft	6x1
Default value for mdwan_w in the case of an error	1x1
minimum Torque converter for forbidden of the torque filter by creeping (CVT)	1x1
Time constant for filtering of the crank angle acceleration	1x1
application value for MIFA_w	1x1
maximum value mifa_w for limitation of torque change	1x1
application value for MIFAL_w	1x1
indicated desired driver's torque for charge path at active gradient limitation	8x1
maximum relative torque requested by driver when pedal failure	8x1
min. indicated torque with missing gearbox message	1x1
MIL is on during ti turn-off in 1. dcy	1x1
Torque offset to formation of permissible torque	1x1
threshold load fuel cut-off detection for deactivating misfire detection	8x1
rate misfire per cylinder	1x1
MIST_FRKSCH_DAT_UC	16x1
MIST_LAMB1_DAT_UC	16x1
MIST_LAMB2_DAT_UC	16x1
MIST_NMOT_DAT_UC	16x1
MIST_RL_DAT_UC	16x1
MIST_ZW1_DAT_UC	16x1
MIST_ZW2_DAT_UC	16x1
upper limit of clutch torque for antijerking functionality	1x1
lower limit of clutch torque for antijerking functionality	1x1
Maximum clutch torque when brake is applied	8x1
clutch torque for switch-over dashpot-filter time	6x1
clutch torque for switch-over dashpot-fil. time when AC comp. has been enabled	6x1
torque needed for air condition fan	6x1
clutch torque to activate the torque change limitation	1x1
air mass floe upper limit for detection short cut of HFM	1x1
air mass flow lower limit for detection short cut of HFM	1x1
Filter constante for MAF low pass filtering depending on msdk	3x1
Air mass threshold for error enable in DKVS (empty tank)	1x1
air mass threshold for error enable empty tank	1x1
Min. air mass for condition diagnosis short test	1x1
Min. air mass for condition diagnostic function	1x1
Min. air mass for condition diagnostic function during CH (functional check)	1x1
min. air mass for condition optional diagnostic SLS	1x1
Min. air mass for condition diagnostic function	1x1
min. threshold of air mass flow for plausibility check of intake air temperature	1x1
max. threshold of air mass flow for plausibility check of intake air temperature	1x1
threshold ml for possible Check passive diagnosis DTEV possible	1x1
threshold ml for possible Check passive diagnosis DTEV	1x1
air mass flow lower limit for detection short cut of HFM	1x1
air mass floe upper limit for detection short cut of HFM	1x1
Min. HFM air-mass threshold to reset the min. fault	1x1
max. air flow for catalyst heating	1x1
Upper air mass flow limit for cat monitoring	1x1
Upper air mass flow limit for cat monitoring, upper window	1x1
Upper air mass flow limit for cat monitoring during tester operation	1x1
Lower air mass flow limit for cat monitoring	1x1
Lower air mass flow limit for cat monitoring, upper window	1x1
Lower air mass flow limit for cat monitoring, short test	1x1
Air mass threshold for oscillation check downstream catalyst	1x1

Minimum HFM air mass	1x1
maximum average air-mass flow up to thermostat monitoring check	5x1
minimum average air-mass flow up to thermostat monitoring check	5x1
air mass threshold for activation readiness LRSHK I-part	1x1
upper air-quantity threshold range 1	1x1
upper air-quantity threshold range 1 with compressor	1x1
upper air-quantity threshold range 2	1x1
upper air-quantity threshold range 3	1x1
upper air-quantity threshold range 3 with compressor	1x1
maximum threshold of air-mass flow for condition radiation power high	5x1
maximum threshold of air-mass flow for condition radiation power low	5x1
Min. air mass for condition diagnostic function during CH (functional check)	1x1
upper air mass threshold for start of short trip-sensor interchange DS main cat.	1x1
Upper air mass threshold f. detection of exchanged sensors downstream of cat.	1x1
upper air mass threshold for start of test oscillation check downstream catalyst	1x1
max. threshold of air mass flow for check of intake air temperature signal fixed	1x1
min. threshold of air mass flow for check of intake air temperature signal fixed	1x1
max. engine air flow for secondary air	1x1
reference of air mass flow integral	12x1
reference of air mass flow integral	12x1
threshold air mass flow for determination ambient temperature	1x1
lower air-quantity threshold range 2	1x1
lower air-quantity threshold range 2 with compressor	1x1
lower air-quantity threshold while function request B_faan range 2	1x1
lower air-quantity threshold range 4	1x1
lower air-quantity threshold range 4 with compressor	1x1
minimum threshold of air-mass flow for condition radiation power high	5x1
minimum threshold of air-mass flow for condition radiation power low	5x1
lower air mass threshold for start of short trip	1x1
Min. air mass threshold f. detection of exchanged sensors downstream of catalyst	1x1
Air mass threshold for dynamic check downstream catalyst	1x1
lower air mass threshold for start of test oscillation check downstream catalyst	1x1
engine type for output to instrument cluster	1x1
Oxygen mass criterion for full main catalyst	1x1
MRACCSAV	1x1
Torque reserve during catalyst heating	1x1
LLR: increased torque reserve at idle after speed undershoot	1x1
Torque reserve for power steering	1x1
additional torque reserve for undervoltage	1x1
threshold for detection of permanent high load	1x1
torque threshold for enable WOT of throttle blade	1x1
Upper threshold of relative torque for idle detection	1x1
Lower threshold of relative torque for idle detection	1x1
hysteresis for locking A/C-compressor by mrfa-threshold	1x1
Reset threshold for stop pssol filtering	1x1
Full load detection threshold of the relative driver request	14x1
threshold to switch end of injection angle at max. driver request	8x1
Maximum FGR initialization value	6x1
Relative-torque threshold from FGR for idle-speed detection	1x1
maximum value for relative torque request from cruise control	1x1
maximum value for relative torque request from cruise control	1x1
starting value for relative torque at active cruise control	1x1
Minimum idling air mass adaptation for E gas	1x1
Maximum idling air mass adaptation for E gas	1x1
Threshold air mass flow for enable adaption of fkpvdk	1x1
minimum mass flow over throttle in canister purge control	1x1

Threshold air mass flow for enable adaption of msndko	1x1
minmal air mass flow for enable HFM	1x1
mass flow from HFM depending on voltage	129x1
Bit mask: additional irreversible brake shut offs at cruise control	1x1
Bit mask: additional reversible brake shut offs at cruise control	1x1
Bit mask: additional irreversible cruise control shut offs	1x1
Bit mask: additional reversible cruise control shut offs	1x1
Mass flow total leakage air	1x1
Mass flow total leakage air	1x1
minimum exhaust gas flow to disable purge control at slow LSU behaviour	1x1
Secondary air mass depending on battery voltage	8x1
mass flow over PCV valve	14x1
Characteristic standardized mass flow through TEV	10x1
standardized mass flow through the complete open PCV	1x1
MSRC_BMSR_DAT_UC	16x1
MSRC_BZMSRA_DAT_UC	16x1
MSRC_BZMSR_DAT_UC	16x1
MSRC_C_DAT_UC	16x1
MSRC_MDASRL_DAT_UC	16x1
MSRC_MDASRS_DAT_UC	16x1
MSRC_MDMSR_DAT_UC	16x1
MSRC_SBIT_DAT_UC	16x1
Error tolerance time for monitoring of MSR intervention in instruction test	1x1
Error tolerance time for monitoring of MSR intervention in function monitoring	1x1
maximum value for MSR-pot-plausibility	1x1
minimum air mass in case of initial and continued purging	1x1
mean exhaust temperature during catalyst heating	1x1
MVER_C_DAT_UC	16x1
MVER_MI_DAT_UC	16x1
MVER_MZF_DAT_UC	16x1
MVER_MZO_DAT_UC	16x1
MVER_RFLAGS_DAT_UC	16x1
Fault time for moment comparison in instruction test	1x1
Fault time for moment comparison in function monitoring	1x1
read measured value standardized tester communication block 0	36x1
read measured value standardized tester communication block 1	40x1
read measured value standardized tester communication block 10	40x1
read measured value standardized tester communication block 11	40x1
read measured value standardized tester communication block 12	40x1
read measured value standardized tester communication block 13	40x1
read measured value standardized tester communication block 14	40x1
read measured value standardized tester communication block 15	40x1
read measured value standardized tester communication block 16	40x1
read measured value standardized tester communication block 17	40x1
read measured value standardized tester communication block 18	40x1
Meas. value reading standardizes tester communication: block 19	40x1
read measured value standardized tester communication block 2	40x1
read measured value standardized tester communication block 20	40x1
read measured value standardized tester communication block 21	40x1
read measured value standardized tester communication block 22	40x1
read measured value standardized tester communication block 23	40x1
read measured value standardized tester communication block 24	40x1
read measured value standardized tester communication block 25	24x1
read measured value standardized tester communication block 3	40x1
read measured value standardized tester communication block 4	40x1
read measured value standardized tester communication block 5	40x1

read measured value standardized tester communication block 5	40x1
read measured value standardized tester communication block 6	40x1
read measured value standardized tester communication block 7	40x1
read measured value standardized tester communication block 8	40x1
read measured value standardized tester communication block 9	40x1
max. number of edge adaptions on camshaft phase sensor	1x1
Minimum value of tooth signals to reset NLDG	1x1
max. switching on numbers of SAP during catalyst heating	1x1
max. switching on numbers of SAP for active diagnosis	1x1
Filter time constant for delayed moment for torque monitoring	1x1
Filter time constant for delayed torque in instruction test	1x1
Filter time constant for delayed torque in function monitoring	1x1
Delay time for permissible torque in torque monitoring	1x1
Delay time for permissible torque mz_um in instruction test	1x1
Delay time for permissible torque mz_um in function monitoring	1x1
MZF_LOW_DAT_UC	16x1
MZF_MZF_DAT_UC	16x1
MZF_MZ_DAT_UC	16x1
MZF_PTR_DAT_UC	16x1
MZF_REG_DAT_UC	8x16
MZUL_MFGR_DAT_UC	16x1
MZUL_MMSR_DAT_UC	16x1
MZUL_MRLINI_DAT_UC	16x1
MZUL_MSGS_DAT_UC	16x1
MZUL_NFLAGS_DAT_UC	16x1
MZUL_NMOT_DAT_UC	16x1
MZUL_SFLAGS_DAT_UC	16x1
MZUL_SPSN_DAT_UC	16x1
MZUL_TMOT_DAT_UC	16x1
MZUL_VKPEDCH_DAT_UC	16x1
conversion constant for calculation the mixture correction rkat	1x1
NACHANZ	1x1
Gear dependent engine speed threshold for activation of anti jerk function	8x1
speed threshold for AR at idle	8x1
Max. speed f. activation of surge damping intervention at idle	8x1
Max. speed f. activation of surge damp. interv. outside idle	8x1
Fault tolerance time for engine speed monitoring in function monitoring	1x1
Threshold for filter output ndfil	8x1
Threshold engine speed difference for initialization of AR during braking	8x1
Permissible difference between nmot and nz_um in function monitoring	1x1
lower limit for engine speed for throttle potentiometer 2 plausibility check	1x1
speed threshold for diagnosis of control range limit	1x1
engine-speed threshold for diagnosis knock sensors	1x1
engine-speed threshold for diagnosis knock sensors, end of line test	1x1
upper engine speed threshold for idle stabilisation	1x1
Lower engine speed threshold for digital idling stabilization	1x1
maximum engine speed for diagnosis camshaft control	1x1
lower engine speed threshold for signal comparison load- with ambient pressure	1x1
engine speed threshold for signal comparison load-pressure with ambient pressure	1x1
lower engine speed threshold to enable thermostat monitoring	1x1
error detection vehicle speed signal / minimum threshold for engine speed	1x1
Detection of error for vehicle speed / minimum threshold	1x1
error detection vehicle speed signal, maximum threshold for engine speed	1x1
NDYDAMPF	1x1
NEGABW	1x1
NEINSPUR	1x1

Speed threshold for function request flank adaption of camshaft	1x1
Speed threshold for function request NWS	1x1
Speed threshold for function request NWS	1x1
minimum permissible speed at FGR operation	1x1
Idle speed increase during wind screen heating activ	1x1
Idle speed increase during wind screen heating active and B_fs=1	1x1
rpm threshold for midification - calculation of running irregularity	1x1
Target idle speed 2, B_fs = 1	6x1
Desired speed at generator load active and B_fs=1	1x1
desired engine speed with AC-system when B_fs=1	1x1
Target engine speed for preventiong boiling (B_fs=1)	1x1
Desired speed at malfunctioning of PWG-signal when B_fs=1	1x1
Minimal allowed engine speed at idle with AT in drive	1x1
Target-speed increase for speed-sensor limp-home	1x1
Target engine speed while mam shaft diagnosis	1x1
target idle speed when gear box clutch disengaged	1x1
Desired speed when power steering switch is active and B_fs=1	1x1
Misfire detection: threshold for gradient of engine speed	8x1
Misfire Detection: threshold for gradient of engine speed after engine start	1x1
minimum engine speed for gear detection	1x1
Engine speed gradient during decreasing the cut-off hysteresis	1x1
Engine speed gradient during decreasing the cut-off hysteresis at idle	1x1
Engine speed gradient at ramping-down of the resume speed: clutch open	1x1
NGEMN	1x1
Threshold engine speed gradient for disabling filter for transition fuel cut-off	1x1
threshold revolution gradient for dynamics detection KRRA	16x1
NGKRSTMX	1x1
threshold revolution gradient for dynamics detection	16x1
Threshold of speed gradient for starting dynamic target idle speed calculation	1x1
initialisation value for array of segment periods based on speed	1x1
Interval of engine speeds for misfire events	1x1
Desired speed when generator load is active	1x1
Upper speed threhold to accept A/C on request	1x1
threshold below which kc-adaptation is freezed	1x1
speed below which KC-adaptation is freezed	1x1
engine speed threshold to enable knock control	1x1
revolution threshold for filter mean frequency area 1	1x1
revolution threshold for filter mesn frequency area 2	1x1
revolution threshold for filter mean frequency area 3	1x1
speed above which KC is freezed	1x1
Upper speed limit for cat monitoring during tester mode	1x1
Lower speed limit for cat monitoring during tester mode	1x1
Target engine speed 2	6x1
Nominal idle speed at active diagnosis by secondary air	1x1
Limitation of the target speed (CVT transmission)	8x1
Nominal idle speed at short test of SAI-system	1x1
desired engine speed	8x6
desired idle speed in Drive-mode	8x6
Minimal allowed engine speed at idle	1x1
NLLMNCAUVW	1x1
NLLMXCAN	1x1
NLLMXCAUVW	1x1
Speed threshold torque reserve for power steering	1x1
Speed threshold torque reserve for power steering	1x1
Waiting time 1 in the NLP learning	1x1
Waiting time 2 in the NLP learning	1x1

fast adaptation dlahi:upper engine speed thresh. for lambda control downstr. cat	1x1
fast adaptation dlahi:lower engine speed thresh. for lambda control downstr. cat	1x1
upper engine speed threshold for lambda control downstream cat	1x1
lower engine speed threshold for lambda control downstream cat	1x1
Speed threshold for suppression of controlling emptying of the catalyzer	1x1
eng.speed thesh.,turn-off lamb.cont.during overrun,in connec.with idle a.TLLRSHB	1x1
upper limit value adjustment of desired idle speed	1x1
upper limit value adjustment of desired idle speed	1x1
upper limit value adjustment of desired idle speed	1x1
lower limit value adjustment of desired idle speed	1x1
lower limit value adjustment of desired idle speed	1x1
lower limit value adjustment of desired idle speed	1x1
lower limit of deactivation range 1 for desired speed of fan 1	1x1
lower limit of deactivation range 2 for desired speed of fan 1	1x1
lower limit of deactivation range 3 for desired speed of fan 1	1x1
upper limit of deactivation range 1 for desired speed of fan 1	1x1
upper limit of deactivation range 2 for desired speed of fan 1	1x1
upper limit of deactivation range 3 for desired speed of fan 1	1x1
characteristic for minimum fan speed 1 dependent on the vehicle speed	6x1
(Lower) lowest fan speed threshold depending on the speed	6x1
(Upper) lowest fan speed threshold depending on the speed	6x1
lower limit of deactivation range 1 for desired speed of fan 2	1x1
lower limit of deactivation range 2 for desired speed of fan 2	1x1
lower limit of deactivation range 3 for desired speed of fan 2	1x1
upper limit of deactivation range 1 for desired speed of fan 2	1x1
upper limit of deactivation range 2 for desired speed of fan 2	1x1
upper limit of deactivation range 3 for desired speed of fan 2	1x1
characteristic for minimum fan speed 2 dependent on the vehicle speed	6x1
(Lower) lowest fan speed threshold depending on the speed	6x1
(Upper) lowest fan speed threshold depending on the speed	6x1
engine-speed limitation, transient limit	1x1
engine-speed limitation, transient limit	1x1
engine-speed limitation, transient limit	1x1
engine speed limit at fault of the vehicle speed signal	1x1
Engine speed limit for automatic transmission at fault of vehicle speed signal	8x1
Engine speed limit in case of dual ignition output	1x1
faultdetection nmax - exceeding	1x1
Maximum permissible engine speed (stationary)	8x1
speed at maximum torque for output to instrument	1x1
Engine speed limit at safety ignition retard by knock control	1x1
Engine speed limit at engine speed sensor limp-home operation	1x1
Maximum permissible engine speed (short increase)	8x1
gear and engine speed depended threshold for load reversal damping at open clut.	8x1
gear and engine speed depended threshold for load reversal damping at open clut.	8x1
NMGETMC	1x1
min. engine speed for deactivating misfire detection	1x1
min. engine speed for deactivating misfire detection DMDDLU	1x1
minimum engine speed	1x1
minimum engine speed	1x1
minimum engine speed for activation of abuse prevention	1x1
Minimum speed for engine speed surveillance in function monitoring	1x1
threshold of engine speed to activate B_ll maps of desired angle inlet camshaft	1x1
speed point below KFCFO speed area for interpolation of fse to 0	1x1
speed limit for gradient compensation after start, mimimum	1x1
mininmum engine speed to enable camshaft control during start	1x1
lower nmot-threshold for output of TSMNSA	1x1

engine speed threshold for setting the cycle flag of the function monitoring dia	1x1
lower threshold of rotational speed for motor mount control	1x1
lower threshold of rotational speed for motor mount control	1x1
upper threshold of rotational speed for motor mount control	1x1
upper threshold of rotational speed for motor mount control	1x1
Holding time until engine standstill detected	1x1
Lower engine speed threshold for dynamics check LSU at funktion request	1x1
Upper engine speed threshold for dynamics check LSU	1x1
Lower engine speed threshold for dynamics check LSU	1x1
speed threshold for determination of the init. value of the model	1x1
min. engine speed for the oil level calculation	1x1
max. engine speed for the oil level calculation	1x1
Engine speed correction factor dependent on rpm gradient	6x1
engine speed threshold to enable quick start via phase sensor signal	1x1
engine speed threshold to release function RDE	1x1
Difference of engine speed with stored value to determine the similar conditions	1x1
deactivation speed threshold for auxiliary water pump	1x1
activation speed threshold for auxiliary water pump	1x1
max. engine speed for deactivating misfire detection	1x1
Maximum permissible engine speed at throttle actuator limp-home operation	6x1
Maximum permitted engine speed in case of unknown throttle position -> cut off	1x1
Gain of proportional component rpm control in case of disabled throttle drive	1x1
Gain of proportional component rpm control for normal operation	8x8
max. engine speed threshold for fuel cut-off at instruction test	1x1
Engine limiting speed for entire fuel cut-off SKA	1x1
upper nmot-threshold for output of TSMNSA	1x1
engine-speed transition normal -> start	3x1
Engine speed threshold: camshaft equalization at fault in 2bank system (intake)	1x1
max. speed threshold for switch off camshaft closed loop control	1x1
min engine speed for release of function camshaft shaking	1x1
max engine speed for release of function camshaft shaking	1x1
min threshold of engine speed to enable camshaft control	4x1
upper engine-speed threshold range 1	1x1
upper engine-speed threshold range 2	1x1
value for inactive ASR message	1x1
value for inactive ASR message	1x1
value for inactive ASR message	1x1
Inactive mask ASR for instruction test	1x1
Inactive mask for ASR	1x1
Value accumulated if no reference gap is detected	1x1
Initializing value for the counter of lost reference marks	1x1
Maximum value of not detected reference marks while starting	1x1
codeword for release of adaptation	1x1
NOREA_UC	1x1
ident. to request no engine operation possible from %UFREAC of watchdog function	1x1
ident. to request no engine operation possible from %UFREAC of watchdog function	1x1
minimal engine speed for phase detection	1x1
maximum engine speed for phase detection	1x1
minimal engine speed for initialisation	1x1
maximum engine speed for initialisation	1x1
engine speed limit where pulsation at HFM appears	1x1
minumum engine speed for limitation rkat correction	1x1
Engine speed threshold for the rl/rlip comparison in function monitoring	1x1
maximal engine speed for battery voltage control	1x1
desired engine speed with air conditioner on (S_AC = 1)	1x1
desired engine speed with air conditioner on (S_AC = 1) and AT in Drive (S_fs=1)	1x1

After-start monitoring time for the watchdog function	1x1
Minimal target speed for hot idling	1x1
engine speed offset for ignition off at fuel cut off in instruction test	1x1
engine speed offset for ignition off at fuel cut off in function monitoring	1x1
desired speed for AC-system	1x1
Targen speed to prevent boiling	1x1
debit idle-speed at power stearing active	1x1
NSLBZA1	1x1
NSLBZA2	1x1
engine speed increase (absolute) level 3 in case of low battery voltage	1x1
desired engine speed when battery is discharged when B_fs=1	1x1
desired engine speed when battery is discharged when B_fs=1	1x1
NSLBZFS1	1x1
NSLBZFS1	1x1
desired engine speed from Tester for B_fs = 1	1x1
desired engine speed from Tester for B_fs = 1	1x1
desired engine speed when battery is discharged when	1x1
desired engine speed when battery is discharged when	1x1
NSLBZLL1	1x1
NSLBZLL1	1x1
desired engine speed from tester	1x1
desired engine speed from tester	1x1
Engine speed threshold to switch the target speed due to lbz	1x1
idle speed during end of production line test (in case of general request)	1x1
desired speed during dynamik diagnosis of LSU	1x1
desired speed during quick trip knock sensor diagnose	1x1
desired speed during quick trip catalyst diagnosis	1x1
desired speed during quick trip knock sensor diagnose	1x1
desired speed during quick trip xxxx diagnosis	1x1
desired speed during Lambda sensortest pre catalyst	1x1
desired speed during quick trip Lambda sensor upstream catalyst	1x1
NSLFANWKW	1x1
desired speed during quick trip oscillation test pre catalyst	1x1
desired speed during quick trip oscillation test	1x1
desired speed during quick trip xxxx diagnosis	1x1
NSLFASKNO	1x1
desired speed during quick trip xxxx diagnosis	1x1
desired speed during quick trip xxxx diagnosis	1x1
desired speed during quick trip xxx	1x1
NSLFAWSA	1x1
NSLFAWSE	1x1
desired speed during quick trip diagnosis of fuel supply	1x1
desired speed during quick trip Lambda sensor downstream catalyst	1x1
Target speed depending on the pump pressure of power steerung	4x1
Target speed depending on the pump pressure of power steering with B_fs=1	4x1
Desired speed when PWG-signals malfunction	1x1
Target-speed increase for speed-sensor limp-home	1x1
Target engine speed while by throtle inadequacy	1x1
Target engine speed while mam shaft diagnosis	1x1
Debouncing time for the switch-off of the after-start expansion	1x1
maximum limitation of target idle speed	1x1
Desired idle speed in case of active APM-brake-check	1x1
Desired idle speed (No. 1) in case of APM failure	1x1
Desired idle speed (No. 2) in case of APM failure	1x1
Desired idle speed (No. 3) in case of APM failure	1x1
threshold cranking engine speed for rewing-up detection	1x1

engine speed limit for low engine speed exit (for post-start torque increase)	1x1
NSTAW	6x1
max. engine speed for deactivating misfire detection	1x1
engine speed limit for start end (for post-start torque increase)	1x1
speed limit for end of cranking starter activation	6x1
transition start -> normal	3x1
transition start -> normal	3x1
threshold for minimum speed to calculate the filtered fuel consumption	1x1
idle speed reference: engine oil overheat	8x1
engine-speed threshold 1 for switching calculation	1x1
engine-speed threshold 2 for switching calculation	1x1
speed limit for TIP-IN	1x1
threshold engine speed for determination ambient temperature	1x1
threshold engine speed for determination ambient temperature (from TANS)	1x1
lower engine-speed threshold range 2	1x1
lower engine-speed threshold range 3	1x1
upper engine speed limit for adaptation of transient control	1x1
lower engine speed limit for adaptation of transient control	1x1
minimal engine speed for dealy time	1x1
speed threshold for pressure-sensor comparison DSU/DSL at idle	1x1
Max. number of starts at tmst>TMOTMRSMX and condition B_vlsumrs	1x1
minimum engine speed/speed ratio	8x1
maximum engine speed/speed ratio	8x1
gear detection n/v 1. gear high	1x1
gear detection n/v 1. gear low	1x1
gear detection n/v 2. gear high	1x1
gear detection n/v 2. gear low	1x1
gear detection n/v 3. gear high	1x1
gear detection n/v 3. gear low	1x1
gear detection n/v 4. gear high	1x1
gear detection n/v 4. gear low	1x1
gear detection n/v 5. gear high	1x1
gear detection n/v 5. gear low	1x1
gear detection n/v 6. gear high	1x1
gear detection n/v 6. gear low	1x1
Minimum engine speed for calculation of throttle angle default value from charge	1x1
threshold for deactivation desired throttle position without torque structur	6x1
Fuel restart-speed at transmission intervention	5x1
Fuel cut-in engine speed	5x1
Delta Fuel cut-in engine speed with Drive	5x1
Decrem. of the fault debouncing counter NW-actuator (intake)	1x1
Increm. of the fault debouncing counter NW-actuator (intake)	1x1
Max. val. of the fault debounc. count. NW-actuator (intake) f. fault entry	1x1
Value of fault debouncing counter to clear fault memory camshaft-actuator inlet	1x1
controlled increase factor for camshaft position in dependence of altitude	4x1
minimum speed for limiting pedal travel for operated brake	1x1
factor desired inlet cam angle catalyst heating during transition cold -> warm	6x1
NWUEBER0	1x1
NWUEBER1	1x1
NWUEBER2	1x1
NWUEBER3	1x1
Speed threshold for decrementing time counter for hot idling	6x1
Speed threshold for incrementing time counter for hot idling	6x1
Engine speed threshold for underspeed exit for the watchdog function	1x1
Engine speed threshold for end of start in the watchdog function	1x1
calculation voltage / O2, LSU sensor upstream of the catalyzer	16x1

offset between adapted phase edge and phase edge in start	1x1
offset to DPBKVUKKPU while braking	1x1
offset to DPBKVUKNKH while braking	1x1
offset to DPBKVUKNW while braking	1x1
offset to DPBKVUKP while braking	1x1
offset to DPBKVUKPU while braking	1x1
Threshold of OSC during catalyst monitoring for passing	1x1
Measurement range of normalized OSC	1x1
Measurement range of normalized OSC in tester modus	1x1
Threshold of OSC during short test requirement	1x1
Maximal value of the OSC of the main catalyst, for plausibility check	1x1
min. number of oil level difference to compute mean value for CAN	1x1
min. number of oil level difference to compute mean value for CAN	1x1
hysteresis to critical high limit for break booster pressure	1x1
hysteresis to critical high limit for pressure in brake booster	1x1
hysteresis to critical high limit for pressure in brake booster	1x1
min. possible pressure of brake booster pressure	1x1
max. possible pressure in brake booster	1x1
amplification of vacuum by ejector effect	6x1
partial pressure residual gas in chamber minimum	1x1
partial pressure residual gas in chamber minimum	1x1
partial pressure residual gas in chamber maximum	1x1
partial pressure residual gas in chamber maximum	1x1
PBRINTRES	1x1
maximum of pedal value Low Range	1x1
maximum of pedal value	1x1
maximum of pedal value reverse gear	1x1
Supply rate EKP	1x1
Value of phase edges till NLDG is activated if E_n is registered	1x1
Number of edges of phase signal for error B_signal of the engine speed sensor	1x1
Heating power for adequate sensor heating	1x1
Rpm threshold to calculate only 1 phase edge	1x1
Rpm threshold to calculate only 2 phase edges	1x1
start value for counter phase signal not ok	1x1
length of short segment at the quick start phase sensor signal	1x1
AC pressure threshold for fast fan rev-up	1x1
characterisitc system pressure of air-conditioner	5x1
default value of pressure of air-conditioner for KMTR	1x1
Compressor pressure threshold for A/C off	1x1
Weighting factor of P-part LRHK depending on catalyst age	8x1
Weighting factor of P-part LRHK depending on catalyst age range 2	8x1
p-part during function request fast learning of dlahi	1x1
p-part during function request fast learning of dlahi, Bank 2	1x1
Combined output: max. performance	1x1
oil warning threshold offset for CAN	1x1
oil warning threshold offset for CAN	1x1
oil warning threshold tolerance for CAN	1x1
oil warning threshold tolerance for CAN	1x1
POSABW	1x1
Small relative heater output up to condition B_atmtpa=TRUE	1x1
intake manifold pressure to applicate injection	1x1
min. distance for average calculation of the oil level for CAN	1x1
min. distance for average calculation of the oil level for CAN	1x1
Ratio pspvdk not reduced	1x1
Ratio pspvdk not reduced	1x1
Ratio pspvdk not reduced	1x1

Ratio pspvdk not reduced	1x1
Ratio pspvdk not reduced	1x1
minimal threshold for pressure ratio not reduced	1x1
interval tmax for CAN	1x1
interval tmax for CAN	1x1
interval tmin for CAN	1x1
interval tmin for CAN	1x1
replacement value of oil temperature (maintenance interval prolongation)	1x1
substitute value for ambient pressure in case of sensor failure	1x1
substitude value for ambient press. in case of sensor failure for function %BKV	1x1
correction of pulsation depending on intake air temperature	8x1
Ambient-pressure correction depending on vehicle speed	8x1
Ambient pressure limitation minimum	1x1
Ambient pressure limitation maximum	1x1
Maximum plausible ambient-pressure threshold	1x1
Minimum plausible ambient-pressure threshold	1x1
Max. deviation of ambient pressure and manifold pressure	1x1
below this threshold pvdkspud will be =0	1x1
proportional parameter at homogenous mode	10x1
proportional parameter in homogenous mode and engaged clutch	10x1
proportional ISC when secondary air activ	10x1
proportional ISC in start	10x1
LLR: P-gain for vehicle at rest (air path)	4x10
ISC proportional part on air-path	4x10
LLR: P-gain for vehicle rolling (air path)	4x10
P-amplification for limiting of torque while incessant injection	1x1
Maximum value fault counter for accelerator pedal sensor drift recognition	1x1
min. maintenance interval prolongation for CAN	1x1
min. maintenance interval prolongation for CAN	1x1
max. maintenance interval for CAN	1x1
max. maintenance interval for CAN	1x1
percentage frequency of ignition angle output by KC during dyn. adaption	1x1
Heat flow threshold for fast fan rev-up	1x1
fixed value heat flow of air-conditioner for fan 1	1x1
fixed value heat flow of air-conditioner for fan 2	1x1
maximum excessive heat flow from AC	1x1
initialization value for activation threshold fan 1	1x1
initialization value for activation threshold fan 2	1x1
Upper hysteresis limit for engine bay fan requirement	1x1
Lower hysteresis limit for engine bay fan requirement	1x1
Cooling fan requirement from engine bay	5x1
factor control component of fan triggering	1x1
minimum control component of fan triggering	1x1
minimum control component of fan triggering	1x1
Limitation of the number of reverse rotating teeth during engine stopping	1x1
ramp steepness during advancement of ASR torque request	1x1
start value random check generator	1x1
On-load resistance for pump current generation downstr. cat	1x1
angle range within there is no validity of the reverse detection	1x1
REAC_AZOFFM_DAT_UC	16x1
REAC_C2_DAT_UC	16x1
REAC_C3_DAT_UC	16x1
REAC_EVZAUS_DAT_UC	16x1
REAC_NMOT_DAT_UC	16x1
REAC_RFLAGS_DAT_UC	16x1
REAC_SPSN_DAT_UC	16x1

Fault time function monitoring - fault reaction monitoring in instruction test	1x1
Fault time for function monitoring - fault reaction monitoring in UF	1x1
Fault time for checking ignition cut off in the instruction test	1x1
Fault time for checking ignition cut off in the fault reaction monitoring	1x1
fuel cut-off table for torque reduction	8x8
hysteresis of reduction step at bigger desired red. step than actual value	1x1
hysteresis of reduction step at smaller desired red. step than actual value	1x1
maximum reduction step for sequential fuel cutoff	1x1
maximum reduction step for sequential fuel cutoff, engine speed limitation	1x1
threshold between ignition intervention and injector disabling	5x1
threshold between ignition intervention and injector disabling, emerg. mode	5x1
initial value for reference level if knock control enabled	1x1
parameter to disable perfmax_w	1x1
Internal calibration resistance for measurement of internal resistance of Nernst	1x1
Limit internal resistance Ri of the Nernst sensor downstream cat to max. value	1x1
Initializ. value of rinlsu_w (resist. value of the Nernst cell LSU)	1x1
Minimum threshold for plausible internal resistor of LSU	1x1
Threshold to detect condition ""Ri is too high""	1x1
threshold for reset wiring-interruption with Ri-diagnosis downstr. cat	1x1
upper rka threshold for passive switch on condition of diagnosis CPV	1x1
lower rka threshold for passive switch on condition of diagnosis CPV	1x1
delta rkat- rkaz threshold for detection of successful basic mixt. adaptation	1x1
lower threshold for diagnosis of additive correction per time	1x1
upper threshold for diagnosis of additive correction per time	1x1
lower threshold of additive correction per time	1x1
upper threshold of additive correction per time	1x1
reduced lower threshold of additive correction per time	1x1
reduced upper threshold of additive correction per time	1x1
lower threshold for diagnosis of additive correction per ignition	1x1
upper threshold for diagnosis of additive correction per ignition	1x1
lower threshold of additive correction per ignition	1x1
upper threshold of additive correction per ignition	1x1
reduced lower threshold of additive correction per ignition	1x1
reduced upper threshold of additive correction per ignition	1x1
rk-threshold for acceleration enrichment display	9x1
RKC_MRLINI_DAT_UC	16x1
Maximum of reference level for knock detection threshold cylinder group 1	16x1
maximum of reference level for knock detection threshold cylinder group 2	16x1
Resistance between congruent voltage and sensor signal downstr. cat	1x1
threshold sum of long-/short term	1x1
RKUKKTUBA	1x1
RKUKKTUVA	1x1
rk-threshold for deceleration enleanment display	9x1
RL-char. for detection of downhill driving in gear 1 during microfine leak diag.	6x1
RL - characteristic line downhill recognition speed 1	6x1
RL-char. for detection of downhill driving in gear 2 during microfine leak diag.	6x1
RL - characteristic line downhill recognition speed 2	6x1
RL-char. for detection of downhill driving in gear 3 during microfine leak diag.	6x1
RL - characteristic line downhill recognition speed 3	6x1
RL-char. for detection of downhill driving in gear 4 during microfine leak diag.	6x1
RL - characteristic line downhill recognition speed 4	6x1
RL-char. for detection of downhill driving in gear 5 during microfine leak diag.	6x1
RL - characteristic line downhill recognition speed 5	6x1
RL-char. for detection of downhill driving in gear 6 during microfine leak diag.	6x1
RL - characteristic line downhill recognition speed 6	6x1
Delimitation filter downhill recognition	1x1

Fault tolerance time for rl comparison with the function in function monitoring	1x1
Lower rl-threshold during warm up for thermostat monitoring	1x1
Upper rl-threshold during warm up for thermostat monitoring	1x1
Detection error of speed signal due to realtive load signal	1x1
Load threshold for dynamics check LSU at funktion request (16 Bit)	1x1
Upper load threshold for dynamics check LSU (16 Bit)	1x1
Lower load threshold for dynamics check LSU (16 Bit)	1x1
RLGEMN	1x1
Filter time constant for delayed load information rlipf_um in function monitor.	1x1
Delay time for load information rlip_um in functioning monitoring	1x1
Fault tolerance time for the rl/rlip comparison in function monitoring	1x1
RL-min threshold for mixture enrichment because of combustibility	6x1
Maximum load at diagnosis	1x1
fast adaptation dlahi:lower air charge thresh. for lambda control downstr. cat	1x1
char. line on nmot, upper rl control threshold for downstream lambda control	8x1
lower control thresh. rl for downstr. lambda control at function request B_fakat	1x1
char. line on nmot, lower control threshold rl for downstream lambda control	8x1
load thresh., turn-off lambda contr. during sec. air in connect. with idle a. NL	1x1
char.line above nmot,lower rL control limit for controller in front of catalyst	8x1
intake gas threshold for for idle speed diagnosis ;dep. on accessory load	3x1
limp-home relative air charge rl in case of E_DK and E_LM	6x1
upper load threshold of range 2	1x1
upper load-signal threshold range 3	1x1
upper load-signal threshold range 3 with compressor	1x1
minimal load for phase detection	1x1
maximum load for phase detection	1x1
min. rl for enabling lambda control during SA-phase	4x1
desired relative air charge (application mode)	1x1
lower load-signal threshold range 2	1x1
lower load-signal threshold range 2 with compressor	1x1
lower load-signal threshold range 2 at function-requirement (B_falra)	1x1
lower load-signal threshold range 3	1x1
lower load threshold of the upper multiplicative section	1x1
lower load threshold of the upper multiplicative section with compressor	1x1
upper load limit for adaptation of transient control	1x1
lower load limit for adaptation of transient control	1x1
upper limit value adjustment of maximum boost pressure	1x1
upper limit value adjustment of maximum boost pressure	1x1
lower limit value adjustment of maximum boost pressure	1x1
lower limit value adjustment of maximum boost pressure	1x1
Offset for tolerance straight line f(rl_um) for rlipf_um in function monitoring	1x1
Increase for tolerance straight line f(rl_um) for rlipf_um in function monitor.	1x1
Difference of load with stored value to determine the similar conditions window	1x1
min. relativ secondary air mass in dependence from dilution factor by short test	4x1
min. relativ secondary air mass in dependence from dilution factor	4x1
Diagnostic threshold: reduce SAI- mass flow during CH (functional check)	1x1
Diagnostic threshold: reduce SAI- mass flow during CH (functional check)	1x1
Diagnostic threshold: reduce SAI- mass flow during CH (functional check)	1x1
min. relativ secondary air mass in dependence from dilution factor in stat.-area	4x1
max. relativ secondary air mass in dependence from dilution factor in stat.-area	4x1
min. relativ secondary air mass in dependence from desired lambda	4x1
Threshold: hardly reduced SAI- mass flow without offset correction	1x1
Threshold: hardly reduced SAI- mass flow without offset correction	1x1
maximal permissible secondary air mass by valve tightness check (by ST)	4x1
maximal permissible secondary air mass by valve tightness check	4x1
Threshold relative mass flow for O.K. detection	1x1

Minimum value relative mass flow PCV	1x1
Maximum value relative mass flow PCV	1x1
Max. number of resets for error detection in the ROM check during initialization	1x1
Relative OSC value for centering of the oxygen integral of the main catalyst	1x1
Conversion relative manifold pressure to throttle angle in unthrottled mode	5x1
Right toggle point pulsation correction switch 1	1x1
Right toggle point pulsation correction switch 2	1x1
Right toggle point pulsation correction switch 3	1x1
Identifier for requesting a reset pulse control factor from function monitoring	1x1
Identifier for requesting a reset pulse control factor from function monitoring	1x1
DFP_XYZ f. OBDMID 01 TID 83 f. service $06 via CAN	1x1
DFP_XYZ f. OBDMID 02 TID 01 f. service $06 via CAN	1x1
DFP_XYZ f. OBDMID 02 TID 02 f. service $06 via CAN	1x1
DFP_XYZ f. OBDMID 02 TID 07 f. service $06 via CAN	1x1
DFP_XYZ f. OBDMID 02 TID 08 f. service $06 via CAN	1x1
DFP_XYZ f. OBDMID 02 TID 81 f. service $06 via CAN	1x1
DFP_XYZ f. OBDMID 02 TID 82 f. service $06 via CAN	1x1
DFP_XYZ f. OBDMID 02 TID 83 f. service $06 via CAN	1x1
DFP_XYZ f. OBDMID 05 TID 83 f. service $06 via CAN	1x1
DFP_XYZ f. OBDMID 06 TID 01 f. service $06 via CAN	1x1
DFP_XYZ f. OBDMID 06 TID 02 f. service $06 via CAN	1x1
DFP_XYZ f. OBDMID 06 TID 07 f. service $06 via CAN	1x1
DFP_XYZ f. OBDMID 06 TID 08 f. service $06 via CAN	1x1
DFP_XYZ f. OBDMID 06 TID 81 f. service $06 via CAN	1x1
DFP_XYZ f. OBDMID 06 TID 82 f. service $06 via CAN	1x1
DFP_XYZ f. OBDMID 06 TID 83 f. service $06 via CAN	1x1
DFP fьr OBDMID $A1 TID $84 Catalyst Monitoring	1x1
DFP fьr OBDMID $A1 TID $85 Catalyst Monitoring	1x1
DFP fьr OBDMID $A2 TID $84 Catalyst Monitoring	1x1
DFP fьr OBDMID $A2 TID $85 Catalyst Monitoring	1x1
DFP fьr OBDMID $3B TID $81 1.0mm leak check (tank leak diagnosis)	1x1
S6D3B82	1x1
S6D3B83	1x1
S6D3B84	1x1
DFP fьr OBDMID $3C TID $81 0.5mm leak check (tank leak diagnosis)	1x1
DFP for OBDMID $3D TID $80 CPV-Diagnosis (B_tevnio)	1x1
DFP for OBDMID $3D TID $81 CPV-Diagnosis (B_teviol)	1x1
DFP for OBDMID $3D TID $82 CPV-Diagnosis (B_tevior)	1x1
DFP for OBDMID $3D TID $83 CPV-Diagnosis (B_teviop)	1x1
DFP for OBDMID $3D TID $84 CPV-Diagnosis (B_tevioi)	1x1
DFP for OBDMID $3D TID $85 CPV-Diagnosis (B_teviot)	1x1
DFP_XYZ f. OBDMID 41 TID 85 f. service $06 via CAN	1x1
DFP_XYZ f. OBDMID 42 TID 81 f. service $06 via CAN	1x1
DFP_XYZ f. OBDMID 45 TID 85 f. service $06 via CAN	1x1
DFP_XYZ f. OBDMID 46 TID 81 f. service $06 via CAN	1x1
mode6-DFP for secondary air diagnosis	1x1
mode6-DFP for secondary air diagnosis	1x1
mode6-DFP for secondary air diagnosis	1x1
mode6-DFP for secondary air diagnosis	1x1
Scan tool communication mode $06, TID $0B: DFP index ignition 0	1x1
Scan tool communication mode $06, TID $0C: DFP index ignition 0	1x1
Scan tool communication mode $06, TID $0B: DFP index ignition 1	1x1
Scan tool communication mode $06, TID $0C: DFP index ignition 1	1x1
Scan tool communication mode $06, TID $0B: DFP index ignition 2	1x1
Scan tool communication mode $06, TID $0C: DFP index ignition 2	1x1
Scan tool communication mode $06, TID $0B: DFP index ignition 3	1x1

Scan tool communication mode $06, TID $0C: DFP index ignition 3	1x1
Scan tool communication mode $06, TID $0B: DFP index ignition 4	1x1
Scan tool communication mode $06, TID $0C: DFP index ignition 4	1x1
Scan tool communication mode $06, TID $0B: DFP index ignition 5	1x1
Scan tool communication mode $06, TID $0C: DFP index ignition 5	1x1
Scan tool communication mode $06, TID $0B: DFP index ignition 6	1x1
Scan tool communication mode $06, TID $0C: DFP index ignition 6	1x1
Scan tool communication mode $06, TID $0B: DFP index ignition 7	1x1
Scan tool communication mode $06, TID $0C: DFP index ignition 7	1x1
OBDMID $01 for sensor diagnosis B1 S1 TestID $83 dynlsu	3x1
OBDMID $02 for sensor diagnosis B1 S2 TestID $01 rich to lean threshold voltage	3x1
OBDMID $02 for sensor diagnosis B1 S2 TestID $02 lean to rich threshold voltage	3x1
OBDMID $02 for sensor diagnosis B1 S2 TestID $07 Minimum sensor voltage	3x1
OBDMID $02 for sensor diagnosis B1 S2 TestID $08 Maximum sensor voltage	3x1
OBDMID $02 for sensor diagnosis B1 S2 TestID $81 maximum sensor voltage of oscil	3x1
OBDMID $02 for sensor diagnosis B1 S2 TestID $82 minimum sensor voltage of oscil	3x1
OBDMID $02 for sensor diagnosis B1 S2 TestID $83 sensor voltage of fuel cut-off	3x1
OBDMID $05 for sensor diagnosis B2 S1 TestID $83 dynlsu	3x1
OBDMID $06 for sensor diagnosis B2 S2 TestID $01 rich to lean threshold voltage	3x1
OBDMID $06 for sensor diagnosis B2 S2 TestID $02 Regelschwelle lean to rich	3x1
OBDMID $06 for sensor diagnosis B2 S2 TestID $07 Minimum sensor voltage	3x1
OBDMID $06 for sensor diagnosis B2 S2 TestID $08 Maximum sensor voltage	3x1
OBDMID $06 for sensor diagnosis B2 S2 TestID $81 maximum sensor voltage of oscil	3x1
OBDMID $06 for sensor diagnosis B2 S2 TestID $82 minimum sensor voltage of oscil	3x1
OBDMID $06 for sensor diagnosis B2 S2 TestID $83 sensor voltage of fuel cut-off	3x1
OBDMID $21 TID $84 Catalyst Monitoring Bank 1	3x1
OBDMID $21 TID $85 Catalyst Monitoring Bank 1	3x1
OBDMID $22 TID $84 Catalyst Monitoring Bank 2	3x1
OBDMID $22 TID $85 Catalyst Monitoring Bank 2	3x1
OBDMID $3B TID $81 1.0mm leak check (tank leak diagnosis)	3x1
S6M3B82	3x1
S6M3B83	3x1
S6M3B84	3x1
OBDMID $3C TID $81 0.5mm leak check (tank leak diagnosis)	3x1
OBDMID $D3 TID $80 CPV-Diagnosis (B_tevnio)	3x1
OBDMID $D3 TID $81 CPV-Diagnosis (B_teviol)	3x1
OBDMID $D3 TID $82 CPV-Diagnosis (B_tevior)	3x1
OBDMID $D3 TID $83 CPV-Diagnosis (B_teviop)	3x1
OBDMID $D3 TID $84 CPV-Diagnosis (B_tevioi)	3x1
OBDMID $D3 TID $85 CPV-Diagnosis (B_teviot)	3x1
OBDMID $41 f. LS diagnosis B1 S1 test ID $85 heater power	3x1
Ri	3x1
OBDMID $45 f. LS diagnosis B1 S1 test ID $85 heater power	3x1
Ri	3x1
Mode6-Konfiguration for secondary air diagnosis	3x1
Mode6-Konfiguration for secondary air diagnosis	3x1
Mode6-Konfiguration for secondary air diagnosis	3x1
Mode6-Konfiguration for secondary air diagnosis	3x1
Scan tool com. mode $06, TID $0B: calibration data ign. 0 (OBDMID, TID, UaSID)	3x1
Scan tool com. mode $06, TID $0C: calibration data ign. 0 (OBDMID, TID, UaSID)	3x1
Scan tool com. mode $06, TID $0B: calibration data ign. 1 (OBDMID, TID, UaSID)	3x1
Scan tool com. mode $06, TID $0C: calibration data ign. 1 (OBDMID, TID, UaSID)	3x1
Scan tool com. mode $06, TID $0B: calibration data ign. 2 (OBDMID, TID, UaSID)	3x1
Scan tool com. mode $06, TID $0C: calibration data ign. 2 (OBDMID, TID, UaSID)	3x1
Scan tool com. mode $06, TID $0B: calibration data ign. 3 (OBDMID, TID, UaSID)	3x1
Scan tool com. mode $06, TID $0C: calibration data ign. 3 (OBDMID, TID, UaSID)	3x1

Scan tool com. mode $06, TID $0B: calibration data ign. 4 (OBDMID, TID, UaSID)	3x1
Scan tool com. mode $06, TID $0C: calibration data ign. 4 (OBDMID, TID, UaSID)	3x1
Scan tool com. mode $06, TID $0B: calibration data ign. 5 (OBDMID, TID, UaSID)	3x1
Scan tool com. mode $06, TID $0C: calibration data ign. 5 (OBDMID, TID, UaSID)	3x1
Scan tool com. mode $06, TID $0B: calibration data ign. 6 (OBDMID, TID, UaSID)	3x1
Scan tool com. mode $06, TID $0C: calibration data ign. 6 (OBDMID, TID, UaSID)	3x1
Scan tool com. mode $06, TID $0B: calibration data ign. 7 (OBDMID, TID, UaSID)	3x1
Scan tool com. mode $06, TID $0C: calibration data ign. 7 (OBDMID, TID, UaSID)	3x1
filter time constant 1 for lambda sensor signal access	1x1
minimum (lower) fault theshold for dlahii_w	1x1
minimum (lower) fault theshold for dlahii_w, bank 2	1x1
maximum (upper) fault theshold for dlahii_w	1x1
maximum (upper) fault theshold for dlahii_w, bank 2	1x1
Threshold delta voltage max. per computation cycle	1x1
knock sensors for sw-cylinder counter 0-7	8x1
knock sensors for sw-cylinder counter 0-7	8x1
threshold value engine temperature for fuel-on adaptation active	1x1
Inputs for sum of MAF-Sensor faults DFP_HFM	4x1
Inputs for sum of Loas sensor faults DFP_LM	3x1
Sum Fault VFZ	4x1
BOSCH hardware number	12x1
BOSCH hardware number	12x1
BOSCH hardware number	12x1
BOSCH hardware number	12x1
BOSCH software number	20x1
BOSCH software number	20x1
BOSCH software number	20x1
customer part number	4x1
customer part number	4x1
customer part number	4x1
customer part number	4x1
production date	10x1
BOSCH software part number = part number of the master eprom	10x1
BOSCH software part number = part number of the master eprom	10x1
SGIDB6	7x1
SGIDB7	11x1
SGIDB7	11x1
SGIDB8	3x1
SGIDB9	2x1
SGIDK1_DAT	5x1
SGSC_BOT_DAT_UC	16x1
SGSC_BZA_DAT_UC	16x1
SGSC_CHKS_DAT_UC	16x1
SGSC_CPL_DAT_UC	16x1
SGSC_C_DAT_UC	16x1
SGSC_MI_DAT_UC	16x1
SGSC_MKLOW_DAT_UC	16x1
SGSC_NU_DAT_UC	16x1
SGSC_SGSAC_BZ_DAT_UC	16x1
SGSC_STATSM_MKHIGH_DAT_UC	16x1
Fault time for SGS intervention surveillance in instruction test	1x1
Fault time for SGS intervention surveillance in function monitoring	1x1
Debounce time for failure in SGS alive check for instruction test	1x1
debounce time for failure in SGS alive check for the function monitoring	1x1
Maximum number of controler resets during start	1x1
Maximum number of cleaning attempts intake camshaft during driving cycle	1x1

speed dep. upper threshold for learning filter value at fuel-off adaptation	4x1
speed dep. upper threshold for learning filter value at fuel-off adaptation	4x1
speed dep. upper threshold for learning filter value at fuel-off adaptation	4x1
speed dep. lower threshold for learning filter value at fuel-off adaptation	4x1
speed dep. lower threshold for learning filter value at fuel-off adaptation	4x1
speed dep. lower threshold for learning filter value at fuel-off adaptation	4x1
speed dep. upper threshold for learning filter value at fuel-on/-off adaptation	8x1
speed dep. upper threshold for learning filter value at fuel-on/-off adaptation	8x1
speed dep. upper threshold for learning filter value at fuel-on/-off adaptation	8x1
speed dep. lower threshold for learning filter value at fuel-on/-off adaptation	8x1
speed dep. lower threshold for learning filter value at fuel-on/-off adaptation	8x1
speed dep. lower threshold for learning filter value at fuel-on/-off adaptation	8x1
login code for development	1x1
login code for development	1x1
login code for development	1x1
login code for development	1x1
login code for development	1x1
air mass threshold for sensor dynamic downstream KAT	1x1
mode 5: lower threshold for m5sonisa and m5sonssa, CARB tester, DLSSA	1x1
mode 5: upper threshold for m5sonisa and m5sonssa, CARB tester, DLSSA	1x1
maximum difference between SP1S and SP2S below full load	1x1
maximum difference between SP1S and SP2S above full load range	1x1
Max. Diff. bet. setp.-val.poti1 & setp.-val.poti1 from surv. module in sta. case	1x1
Bandwidth for detection of sp1s stationary	1x1
Time for detection of sp1s stationary	1x1
#ИМЯ?	1x1
Fault time for nominal values in func. monitor. which are mutually not plaus.	1x1
min. pedal value for activation of autom. braking in function monitoring	1x1
Maximum voltage for accelerator pedal at idle in instruction test	1x1
Maximum voltage for accelerator pedal at idle in Level II	1x1
Threshold full load for switch over of max. tolerance	1x1
Manifoild time constant when closing the canister purge valve	1x1
threshold for setting readiness bit - EGR diagnosis	1x1
threshold for setting readiness bit - oxygen sensor diagnosis	1x1
threshold for setting readiness bit - secondary air system diagnosis	1x1
threshold for setting readiness bit - canister purge diagnosis	1x1
maximum number of false starts at automatic start	1x1
slope of the oil filling	1x1
enable of intake manifold switch over depend on gear	1x1
Threshold value for plausibility fault LSU at air	1x1
Threshold value for plausibility fault during B_sa	1x1
Threshold value for plausibility fault CJ110	1x1
Threshold value for plausibility fault CJ110	1x1
no activation of intake manifold flaps	1x1
activation of flap 1,no activation of flap 2	1x1
no activation of flap 1,activation of flap 2	1x1
activation of flap 1 and 2	1x1
threshold value for dfrmfof in steady state	1x1
threshold value for mslf und msllamf in steady state	1x1
threshold value for mslvf in steady state	1x1
switching level 1 of afterstart enrichment	12x1
switching level 2 of afterstart enrichment	12x1
TAAGCMX	1x1
TAAGCNU	1x1
Exhaust temperature threshold for component protection	1x1
Time for LSU adjusting	1x1

Exhaust-gas temperature below the catalyzer light-off temperature	1x1
Time after start for LSU adjusting	1x1
threshold for exhaust temperature dynamic-measuring	1x1
engine switch off time up to cooling down for update of ambient temperature	1x1
engine switch off time up to cooling down for TMOT-diagnosis	1x1
Minimum parking time for start of LS heating diagnosis downstream kat	1x1
Minimum parking time for repeated start of LSU heating	1x1
Minimum soak time for release of catalyst heating	1x1
threshold of stalling time to initialize oil temperature calculation from TMOT	1x1
soak time for release of Ri calculation	1x1
substitute value air temperature in case of fault	1x1
lower Temperature threshold heater diagnostic routine down stream kat	1x1
upper temperature threshold for O2 sensor heater diagnostic post catalyst	1x1
intake air temperature threshold for ISC-actuator diagnosis	1x1
1. step width (time) for engine temperature model	1x1
intake-air temperature min.	1x1
intake-air temperature max.	1x1
max. threshold for plausible intake air temperature signal	1x1
TADRCMX	1x1
delay time for message-counter deviation ADR	1x1
characteristic line for max. duty cycle = F(integral purge flow after TE-Stop)	14x1
duty cycle threshold for active testing	1x1
upper tans-threshold for 0.5 mm diagnosis	1x1
Upper TANS- threshold for leakage diagnosis at short trip	1x1
Time constant for torque limitation regulation	1x1
tans threshold for increased target speed at hot idling	1x1
Minimum duty cycle for diagnosis power stage	1x1
Minimum duty cycle for diagnosis power stage	1x1
max. duty cycle of actuation of LSU heater	1x1
min. diag. threshold\exh. gas temp. inside outlet manifold min. pulse-duty ratio	1x1
Monitoring time for upper limit of the message counter difference	1x1
Monitoring time for lower limit of the message counter difference	1x1
waiting time at acustic boundary for fan 1	1x1
waiting time at acustic boundary for fan 2	1x1
Exhaust emission temperature threshold value for testing the heater coupling	1x1
Upper suction temperature threshold for leakage diagnosis module	1x1
Lower suction temperature threshold for leakage diagnosis module	1x1
Maximum exhaust gas temperature threshold for plausibility diagnosis	1x1
temp. threshold from exhaust temp. model for diagnosis sensor downstream cat	1x1
temp. threshold from exhaust temp. modell for diagn. sensor downstream cat	1x1
min. induction-air temperature for deactivating misfire-detection	1x1
threshold for exh. temp. for wiring-interruption with Ri-diagnosis downstr. cat	1x1
TAMSRCMX	1x1
min. air temperature for SAI- diagnostics	1x1
max. air temperature for SAI- diagnostics	1x1
threshold difference intake air temperature for hot start	8x1
delta threshold intake air temperature for hot start	8x1
intake air temperature - threshold warm	1x1
intake air temperature - threshold hot start	1x1
catalyst temperature for adequate sensor heating	1x1
minimum starter motor operating time befor starter reset	1x1
cooling time until reset of starter motor operating time	1x1
Intake air temp. threshold for Ri- diagnosis downstream kat	1x1
intake air temperature calculation, inverse function	20x1
TANSKO	1x1
Intake-air temperature threshold for compressor shutdown	1x1

intake air temperature limit (for post-start torque increase)	1x1
Intake air temp. threshold for after-start expansion in the watchdog function	1x1
Suction air temperature threshold for camshaft adjustment	1x1
min. duty cycle limit setting the cycle flag of cam shaft actuator power stage	1x1
max. duty cycle limit setting the cycle flag of cam shaft actuator power stage	1x1
Pulse duty factor inlet camshaft negative direction	1x1
Pulse duty factor inlet camshaft pos. positive direction	1x1
TANWSDE	1x1
threshold soak time for EKP-lead time	4x1
temperature threshold intake air	1x1
air temperature threshold for closed loop lambda - control switching on	1x1
lockup time for anti-jerk function	1x1
threshold intake air temp.for trigg.of TLRHS-blocking time LC during hot start	1x1
Time for the deactiv.of interf. peaks outside of range for det.of signal interr.	1x1
min. air temperature for secondary air system release by diagnostic	1x1
max. air temperature for secondary air system release by diagnostic	1x1
min. air temperature for secondary air system release by catalyst heating	1x1
max. air temperature for secondary air system release by catalyst heating	1x1
Temperature threshold sensor down stream kat without heater functioning	1x1
modelled-temperature exhaust gas start value at B_faatm-condition function	1x1
Intake air temperature threshold for intake manifold switch over	1x1
Maximum PCV duty cycle for pulsed PCV activation	1x1
upper threshold CPV duty cycle for detection of a neg. gradient in tatesoll	1x1
lower threshold CPV duty cycle for detection of a neg. gradient in tatesoll	1x1
tans-threshold for canister purge control with B_ll = 1	1x1
characteristic line of the PCV, duty-cycle depending on mass-flow	10x1
exhaust gas temperature correction at catalyst heating	1x1
exhaust gas temperature correction at catalyst heating bank2	1x1
exhaust gas temperature correction at catalyst warming	1x1
exhaust gas temperature at fuel cut off	1x1
exothermal temperature offset at fuel cut off	1x1
exothermal temperature offset at fuel cut off, bank2	1x1
initial value tabgm, tkatm at power fail	1x1
engine temperature warmed up engine, for temperature correction cold engine	1x1
exhaust temperature at dew point	1x1
correction of exhausgas temperature at catalyst fast heating	1x1
correction of exhausgas temperature at catalyst fast heating, bank2	1x1
Temperature offset for heat-quantity calculation	1x1
Factor for time constant TAU of the low-idle ignition angle adaptation	1x1
Time constant of integral part decay at one-sided boundary control	1x1
upper limit exhaust gas temperature upstream main catalyst	1x1
max. exhaust gas temperature to detect sensor line interruption at VM	1x1
upper limit exhaust gas temperature before pre catalyst	1x1
time for evacuation by brake booster pump	1x1
lock per. f. c.-loop contr.downstr.cat after rel.by c.-loop contr.upstr.cat	1x1
Holding time until signal interruption detected	1x1
mode 6: component ID for diagnosis coolant water thermostat	1x1
mode 6 component ID for check of rough/fine leak	1x1
mode 6 component ID for check of rough/fine leak	1x1
mode 6 component ID for check 'Reed contact closed'	1x1
mode 6 component ID for check 'Reed contact closed'	1x1
mode 6 component ID for check 'Reed contact opens'	1x1
mode 6 component ID for check 'Reed contact opens'	1x1
mode 6 component ID for check 'system tight during initial purging'	1x1
mode 6 component ID for check 'system tight during initial purging'	1x1
mode 6 component ID for check 0.5 mm leack	1x1

mode 6 component ID for check 0.5 mm leack	1x1
mode 6 code word for O.K. check of CPV form DLDP	1x1
mode 6 code word for O.K. check of CPV from air-test	1x1
mode 6 code word for NOT O.K. check of CPV from air-test	1x1
mode 6 code word for passive O.K. check of CPV	1x1
mode 6 code word for O.K. check of CPV from FR-deviation dircetion rich	1x1
mode 6 code word for O.K. check of CPV from FR-deviation dircetion lean	1x1
mode 6 code word for O.K. check of CPV form DLDP	1x1
Debouncing time signal continuous- high- low	1x1
Filter time for Crash CAN signal	1x1
Time for safe Crash CAN detection	1x1
Time for failed automatic Crash signal detection	1x1
Time for safe Crash PWM detection	1x1
Delay enable adjustment after cranking	1x1
waiting time for UBR fault during test of deactivation path	1x1
Delay time of end of start condition for tip-in dashpot	1x1
turn-on delay of B_bkvp for diagnosis	1x1
debounce time for air-mass meter plausibility bit	1x1
switch off time for cond. radiation power after continuously dismatching area	1x1
delay time for demand switch off air-conditioner compressor	1x1
delay time for demand of idle speed for catalyst heating cut off	1x1
delay time for camshaft lobe control	1x1
delay of bit B_pbkvmn with sufficent manifold air pressure	1x1
turn-on delay brake booster pump after end of start	1x1
turn-on delay brake booster pump after end of start	1x1
TDBUKSUE	1x1
time to evacuate the pressure delta DPBKVP with pump	1x1
maximum on-time of brake booster pump	1x1
dechatter time brake booster pressure sensor fault recogniziation	1x1
response time for condition dfrmof- Filter in steady state (Flow Check)	1x1
dechatter time for ambient pressure sensor fault recognization	1x1
dechatter time for ambient pressure sensor fault recognization	1x1
dechatter time of setting cycle flag	1x1
Time delay for release of the additional diagnosis SLS (Bank1)	1x1
response time for release SLS diagnosis through idle	1x1
Time delay after %DTEV for enabling of throttle adaption	1x1
Time delay for setting the MIN/MAX fault or healing	1x1
debounce time for minimum fault detection air-mass meter	1x1
debounce time for maximum fault detection air-mass meter	1x1
debounce time for plausibility fault detection air-mass meter	1x1
debounce time for rangefault detection air-mass meter	1x1
debouncing time driving cycle for non-plausibility check of fixed TANS-signal	1x1
TDGNIOANL	1x1
Debounce time for resetting of B_ehfmfe	1x1
debounce time for healing fault detection air-mass meter Rationality Error	1x1
Debouncing time for diagnosis of main relay	1x1
Debouncing time to switch off injectors following main relay or contact error	1x1
time delay for release active diagnosis of secondary air with LSU	1x1
Time delta for clearing of fault counter with DK setpoint/actual comparison	1x1
debounce time for switch over to replacement value KLAHEW	1x1
time during run after untol zero current DK stabilizes in NLP	1x1
time for throttle-valve potentiometer selection	1x1
Delay time after gear change until another gear change detection is possible	1x1
Turn on delay time for detection of fast learning of dlahi is ready	1x1
Control-down time of lamka_w for controlled emptying of the catalyzer	1x1
Control-up time of lamka_w for controlled emptying of the catalyzer	1x1

delay time to enable nominal Lambda component protection	1x1
Time delay for setting the condition diagnosis of ISC-actuator	1x1
Time delay before storing error of closed ISC-actuator	1x1
Time delay before storing the error ISC-actuator open	1x1
Time delay before storing ISC-actuator with no error	1x1
debouncing time idling cycle for non-plausibility check of fixed TANS-signal	1x1
Resting time for activation of the static friction routine	1x1
Timestep for decrementing of dlrpidc	1x1
Max. time for PWM pulse duty factor of the DLR at temp. UMA adapt.	1x1
debouncing time for detection lambda sensor exchange	1x1
time for diagnosis to detect fault in MIL-Auxiliary control	1x1
Time constant PT1 filter for transition to fuel cut-off	1x1
Time constant of PT1 filter for transition from fuel cut-off	1x1
filter time constant at increase of desired speed CVT	1x1
filter-time constant at hard fuel cut-in	8x1
debounce time after torque reserve: ac-clutch	1x1
Delay time for setting the bit B_hfm	1x1
time after clutch was applied with changed LSD triggering	1x1
debounce time fault detection air-mass meter during start	1x1
debounce time fault detection air-mass meter during start with error from DEGFE	1x1
Inhibition time for the increased torque reserve after engine start	1x1
Hold time for increased torque reserve after battery voltage drop	1x1
Time delay for the bit B_fkmsdks	1x1
response time for condition mslvf-Filter in steady state	1x1
time delay after exceed.low eng. speed threshold to enable thermostat monitoring	1x1
exhaust manifold warming time from start, for TANS - Diagnostic	1x1
time period for battery after start	1x1
Time delay for the checking of the camshaft shift	1x1
Debouncing time fault type max.: critical engine speed	1x1
duration of secondary air at optional diagnosis (Flow Check)	1x1
delay time for condition brake booster without enough vaccum	1x1
delay time for condition brake booster without enough vaccum for BKV-pump	1x1
Time switch-on delay bit B_slsoff in phase 2, 3 and 5 after	1x1
debouncing time for upper plausibility check of intake air temperature signal	1x1
Maximum running time of diagnosis DPNKPM	1x1
debouncing time to reset driving cycle f. non-plaus. check of fixed TANS-signal	1x1
response time for actual min. relativ secondary air mass	1x1
delay time to reset delayed power down request by GGUBR	1x1
debouncing time f. disabling cond. plausibility check of intake air temp. signal	1x1
Switch on delay of Delta-rl-lock at calculation of B_dslmes	1x1
time delay for release measurement release for SA-Diagnosis	1x1
time delay for enable of lambda control by SAP	1x1
max. time for SAI-pump operation with function request by tester	1x1
time for diagnosis intake air temperature sensor	1x1
time delay for modelled exhaust temperature by entrance in catalyst	1x1
intake-air temperature error detection/time-out from B_LL = 1	1x1
Time for blocking of DTEV as of start with tester request	1x1
time after start for desactivation fast purge rate decrease DTEV at B_ll= TRUE	1x1
time after start for activation purge rate decrease DTEV at B_ll= TRUE	1x1
time after engine start for possible activation of active DTEV	1x1
upper threshold of intake/ambient air temp. for thermostat monitoring	1x1
lower threshold of intake/ambient air temp. for thermostat monitoring	1x1
debounce time fault detection, engine temperature sensor	1x1
delay time load value engine temperature model	1x1
debouncing time, engine temperature sensor signal not plausible	1x1
debouncing time engine temperature sensor upper non plausibility	1x1

debouncing time engine temperature sensor check done for upper non plausibility	1x1
debouncing time (engine-) oil temperature sensor	1x1
debouncing time for diagnosis of ambient (-air) temperature TUM	1x1
delay time of voltage diagnosis	1x1
time of HFM-diagnosis at u < UBHFM	1x1
delay time for diagnosis of UBR	1x1
delay time for diagnosis of UBR during delayed power down mode	1x1
error detection tachometer signal / time for interrogation	1x1
delay time for pressure-sensor comparison DSU/DSL at idle	1x1
tolerance time of high deviation between actual and target velocity	1x1
tolerance time at CC overriding bei driver	1x1
tolerance time of high deviation between target and actual velocity	1x1
waiting time for setting cycle-bit diagnostic lambda sensor exchange	1x1
delay time for deactivation of APS/Brake-Check using pedal gradient	1x1
Time constant for heat flow demand of secondary air pump	1x1
debouncing time for setting of the cycle flag	1x1
delay time for switch on ZWP2	1x1
debounce time of B_brems	1x1
Debouncing time for switch pressure brake booster	1x1
Debouncing time for camshaft lobe control	1x1
time threshold for scan of the mixture adaptation	1x1
Duty time for healing of fault path HRLSU	1x1
Duty cycle errors in heater control	1x1
min. Duty cycle errors in heater control	1x1
Duty cycle for heater control of LSU for electrical error	1x1
Time to prevent healing at high exhaust gas temperatures	1x1
minimum effective injection time	1x1
minimum effective injection time	1x1
minimum effective injection time at VA	1x1
Debouncing time for B_pbkvmn	1x1
Time for steady state after braking	1x1
debouncing time for brake and clutch switch	1x1
debounce time for CC lever signals	1x1
Debouncing time for switch pressure brake booster	1x1
TERRTOLC	1x1
beginning of control of thermostat after start	1x1
Maximum scavenging time at DLDP-TEV- Check	1x1
Delay time of vehicle speed error via CAN	1x1
calibratable time: reduction of ACC-Torque (after short timeout)	1x1
Delay time after B_fa reset	1x1
falling time of the torque with missing gearbox message	1x1
Upper limit for time window for DLLR	1x1
Lower limit for time window for DLLR	1x1
time delay for release of secondary air control through FA	1x1
time delay for release of secondary air control through active diagnosis	1x1
timeconstant debounce CC turn-off when ABS-braking	1x1
Time for detecting an error in the automatic user interface detection	1x1
Ramp running time comfort shutdown of the FGR	1x1
Debounce time for electric parking brake	1x1
Tolerance time for interventions by driving dynamics functions during FGR operat	1x1
Delay time for detecting FGR operating-lever fault	1x1
Tolerance time implausibility of FGR main switch	1x1
Time to detect held FGR function key accelerate or decelerate	1x1
Debounce time for low battery voltage	1x1
tolerance time for violation of upper acceleration threshold	1x1
Tolerance time for detection of FGR-mode in function monitoring	1x1

tolerance time for violation of lower acceleration threshold	1x1
FGR: Time speed shutdown by vroh = 0	1x1
Send message B_fpld_ok delay during fan deactivation	1x1
Filter constant for engine bay fan requirement	1x1
monitoring duration sufficient for fra	1x1
duration of stay in FRAO for cycle flag with not successful adaptation	1x1
duration of stay in FRAU for cycle flag with not successful adaptation	1x1
monitoring duration frm	1x1
monitoring duration frm stabilized	1x1
duration of stay for unplausible frm-signal (short test)	1x1
Debouncing fьr LSU readiness	1x1
Filter constant for exhaust gas temp. in KMTR	1x1
Time for detection of purge stop	1x1
Test time before setting non-plaus.-flag lambda sensor downstream front cat.	1x1
time constant for filtering DK angle before comp. with subs. value from charging	6x1
filtering time of desired throttle angle	4x1
time constant for filtering desired throttle angle at kl15 off	1x1
time constant for characteristic transision by lambda for catalyst heating	1x1
Time constant of the filter for calculation of wpfgr_w	1x1
time constant for reset of mixture correction on last trip value	1x1
time for mixture adaptation demand after detected an implausible ACF load	1x1
TGENLR1	1x1
TGENLR2	1x1
TGENLR3	1x1
TGENLRC	1x1
TGENLRC2	1x1
TGENONC	1x1
Time needed for ADC after interrupt in the function calculator (Asic)	1x1
monitoring counter for upper limit of the message counter difference GRA	1x1
monitoring time for lower limit of the message counter difference GRA	1x1
TGWHPOSG	1x1
dwell time, healing for fault path for permanent torque limitation	1x1
off time to reduce heater power of oxygen sensor downstream cat at 13Volt	1x1
off time to reduce heater power of oxygen sensor2 downstream cat at 13Volt	1x1
Switch OFF time during power reduction of sensor heating post cat	1x1
THLKSLUE1	1x1
THLKSLUE2	1x1
Delay time for activation of heat lamp after start	1x1
Verzцgerungszeit zum Setzen der Bedingung B_henrin nach Einschalten der Heizung	1x1
Delay time to set condition B_henrin after start of heater, by start	1x1
minimum threshold of engine coolant temperature for thermostat monitoring check	1x1
Delay time for sensor sufficiently heated	1x1
Line for switch off time of lambda sensor heating post cat dep. on temp	8x1
ine for switch off time of lambda sensor heating 2 post cat dep. on temp	8x1
Time del. readiness of Ri-measure. after switched on sensor heat. downstream cat	1x1
THTVEI	1x1
Temperature hysteresis for the avoidance of tmot and toelk fluctuations	1x1
TIDLEMAX	1x1
TIDLEMIN	1x1
temperature threshold in catalyser for component protection	1x1
Temperature correction in catatyst without exotherm reaction tikatm	1x1
TILMCMX	1x1
TILMCNU	1x1
delta torque for intitialize at dashpot	4x1
Minimal time for TEV-off at initial scavenging leakage diagnosis	1x1
Upper radiator outlet temp. limit for electrical thermostat control	1x1

Lower radiator outlet temp. limit for electrical thermostat control	1x1
KMTR default value of temperature of radiator outlet	1x1
initialization value of low pass desired temperature of radiator outlet	1x1
Catalyst temperature threshold for component protection	1x1
lower catalyst temperature threshold for lambda control downstream cat	1x1
Catalyst temperature control threshold for catalyst warming	1x1
Temperature correction catatyst without exotherm reaction tkatm	1x1
Catalyst temperature threshold for fuel cut-off	1x1
Minimal catalyst temperature for forced a/f ratio modulation	1x1
Minimal catalyst temperature for forced a/f ratio modulation, Bank 2	1x1
lower temperature threshold for tkatm(2)	1x1
upper temperature threshold for tkatm(2)	1x1
Min. desired TKA	1x1
Max. desired TKA	1x1
Catalyst temperature threshold for catalyst warming	1x1
Learning time for kick-Down position	1x1
Turn on threshold for diagnosis of UN of evaluation IC (based on temp.)	1x1
Turn on threshold for pump current controller of evaluation IC (based on temp.)	1x1
minimum sensor temperature after time TVLSUBB	1x1
TKERLSUMX	1x1
set temperature for ceramic of LSU	1x1
set temperature for ceramic of LSU	1x1
ceramic temperature threshold to stop start heating of LSU	1x1
Threshold to switch on reference pump current	1x1
delay time switching off catalyst heating	1x1
delay time switching to idle speed at drive at catalyst heating	1x1
cancelling time catalyst heating idle speed	1x1
delay time switching off increased idle speed at catalyst heating	1x1
Maximum time for increased catalyst heating idle speed	1x1
maximum time for active catalyst heating	1x1
time for reducing idle speed at end of catalyst heating	1x1
Temperature threshold for cylinder individual fuel cut off, main catalyst bank2	1x1
Minimal temperature of the main catalyst for OSC measurement	1x1
Temperature threshold for cylinder individual fuel cut off, main catalyst	1x1
upper limit catalyst temperature in main catalyst	1x1
Time delay for fast fan rev-up	1x1
TKMTIMERR	1x1
testchannel for %TKMWL MW	1x1
testchannel for %TKMWL NA	1x1
testchannel for %TKMWL NW	1x1
Inhibition time for AC compressor during adaptation of requirement	1x1
minimum shutdown time for air-conditioning compressor	8x1
maximum shutdown time for air-conditioning compressor	8x1
Minimum switch-on time for compres. after triggering by B_kobped or B_kobwped	8x1
Minimum cut-out time of the air-conditioner compressors during acceleration (dwp	8x1
Maximum cut-out time for compressor cut-out by dwped	8x1
minimal time of air-condition compressor being switched on	8x1
Switch-off threshold: correction of the fan control duty cycle	1x1
Switch-on threshold: correction of the fan control duty cycle	1x1
minimum shutdown time for air-conditioning compressor after AC off	1x1
Monitoring time for air-cond. key detection after reset of B_kov (bidirect. inte	1x1
Minimum cut-out time at full load (by wped)	8x1
Maximum cut-out time at full load (by wped)	8x1
Fuel delay time fr. injection valve to intake valve	1x1
debouncing time: reset error counter	1x1
modelled-temp. downstream main catalyst start value at B_faatm-cond.	1x1

measuring time for temperature gradient, catalyst monitoring	1x1
Waiting time for the result of the oxygen removal test	1x1
time out for enrichment, catalyst monitoring	1x1
Time limit: slow adjustment stable for DEGFE	1x1
delay time for activation of lambda demand by driver	1x1
min. duration condition lamsbrs_w or lamsons_w > 1.0 for cat. O2 neutralization	1x1
min. duration of condition lamsbrs2_w/lamsons2_w > 1.0 for cat O2 purging	1x1
time delay for reset lamlshv_w if lamsons_w is not lamlshv_w	1x1
Time threshold 1 for recogn. system close to leakage diagn.module	1x1
Time threshold 2 for recogn. system close to leakage diagn.module	1x1
TLDPDISA1	1x1
TLDPDISA2	1x1
TLDPDISE1	1x1
TLDPDISE2	1x1
Waiting time after starting for release leakage diagnosis	1x1
Maximum diagnosis time after starting	1x1
Time for 'Reed-contact closed'-recognition closed check	1x1
Time for ""Reed-contact open""-recognition at leakage diagn. module	1x1
TLDPRPDEL	1x1
Minimum time for TEV-off before continuation leakage diagnosis	1x1
Maximum admissible time to learn the kick-down position via test driver	1x1
time delay for reset lamlash_w if lamsons_w is not lamlash_w	1x1
blocking time for activation LC after acceleration enrichment	8x1
Turnoff delay for condition B_frmin OR B_frmax (blocking of p part)	1x1
Turnon delay for condition B_frmin OR B_frmax (blocking of p part)	1x1
Delay time f. condition B_lrhkp f. controller downstream of catalyst	1x1
blocking time LC during hot start, triggered via thresholds TASHS and TMSHS	1x1
Time for hard LC-switch on after fuel cut-off	1x1
lock time for CL lambda control after start, depending on engine start temperatu	5x1
blocking time for activation LC after deceleration enleanment	8x1
Time until hard LC switch on after start (CARB)	4x1
Summed-up time until error: exchanged sensors downstream of cat. is indicated	1x1
Sum.-up time until exchanged sensors downstr. of cat. o.k. and cycle bit is set	1x1
duration of shutdown ramp of fan 1 from acustic boundary to off	1x1
duration of shutdown ramp of fan 2 from acustic boundary to off	1x1
Filter constant for fan request at end of line	1x1
Filter constant for fan request at end of line	1x1
beginning of control of fan after start	1x1
minimal threshold of engine-off temperature for stuck signal-check of TANS	1x1
minimal threshold of engine-off temperature for TMOT-diagnosis	1x1
Range 0 of engine temperature for STADAP calculation	1x1
Range 1 of engine temperature for STADAP calculation	1x1
Range 2 of engine temperature for STADAP calculation	1x1
Lower TMOT threshold for AR release	1x1
temp. threshold for increasing 1st cat-interval, misfire detection	1x1
TMAU	1x1
maximum catalyst temp. for active diagnosis	1x1
maximum main-catalyst temp. for active diagnosis, upper window	1x1
Maximum permissable time for cylinder individual fuel cut-off	1x1
maximum time for ignition timing release due to manifold flap activation	1x1
maximum time for ignition timing release due to manifold flap 2 activation	1x1
min engine temperature threshold to enable start mixture adaptation factor	1x1
max engine temperature threshold to enable start mixture adaptation factor	1x1
upper value tmot for recognition block heater	1x1
duration for special torque limitation during and after start	1x1
Delay time for activation of misuse prevention	1x1

kc test mode on pin ADT of CC650	1x1
minimum engine start temperature to perform start diagnosis	1x1
Engine temperature threshold for ISC-actuator diagnosis	1x1
Engine temperature threshold to enable adaptation of resistant torque	1x1
begin temperature for engine temperature model	1x1
Default temperature dependent on parking time during TDTMMA	3x1
lower start temperature from tans for engine temperature model	1x1
final temperature for substitute value of engine temperature	1x1
final temperature for reference value of engine temperature	1x1
minimum engine temperature	1x1
minimum engine temperature	1x1
maximum engine temperature	1x1
Min engine temperature to enable diagnosis inlet camshaft control	1x1
Max engine temperature to enable diagnosis inlet camshaft control	1x1
min. engine temperature for DSLS	1x1
max. engine temperature for DSLS	1x1
lowest engine temperature threshold for diagnosis of canister purge	1x1
motor temperature threshold for release of vehicle speed diagnosis	1x1
engine temperature threshold to enable load dynamic adaptation	1x1
minimum engine coolant temperature to enable detection of gradient too high	1x1
engine coolant temperature:calculation, inverse function 1 with activated pullup	20x1
Engine temperature threshold quick start	1x1
minimum threshold of substitute engine temperature for stuck signal check	1x1
min. necessary time inside measuring window during measuring phase	1x1
min. necessary time inside meas. window during meas. phase by funct. requirement	1x1
min. necessary time inside measuring window during measuring phase during CH (fu	1x1
lowest temperature threshold for diagnosis related to the modelled engine temp.	1x1
KMTR default value engine temperature	1x1
cut-in temperature LRA related to the modelled engine temperature	1x1
Engine temperature threshold tester demand secondary air diagnosis	1x1
upper tmot-threshold for 0.5 mm diagnosis	1x1
minimum temperature at it ftklra_w is one	1x1
upper temperature threshold at it ftklra_w is constant	1x1
cut-in temperature for lambda closed-loop control short test	1x1
timer of min. indicated torque with missing gearbox message	1x1
engine-temperature - threshold warm	1x1
TMHLDO	1x1
Engine temp. limit for over heat lamp switch off	1x1
Engine temp. limit for over heat lamp switch on	1x1
tmot threshold for increased target speed at hot idling	1x1
TMHLON	1x1
engine temp. hot-start limit	1x1
duration of activation of MIL after start for visuability test	1x1
duration of activation of MIL during ready blink	1x1
duration of activation of MIL after ini for visuability test	1x1
minimum engine coolant temp. for air mass integration of thermostat monitoring	1x1
minimum catalyst temperature for monitoring	1x1
minimum maincatalyst temperature for monitoring, upper window	1x1
engine-temperature - threshold cold	1x1
Temperature threshold for switch-over to the replacement signal	1x1
Upper coolant temperature for switching off the AC-compressor	1x1
Lower coolant temperature for switching off the AC-compressor	1x1
Engine temp. limit for AC compressor switch off	1x1
Engine temp. limit for possible use of AC compressor	1x1
engine-temperature threshold to enable knock control	1x1
engine-temperature threshold to enable knock control	1x1

engine temperature threshold for adaptive knock control	1x1
temperature threshold for writing access on adaptation map	1x1
blocking time until the initialization of the AR is triggered at deceleration	1x1
Upper engine temperature threshold for leakage diagnosis module	1x1
Upper engine temperature threshold for leakage diagnosis module	1x1
Lower engine temperature threshold for leakage diagnosis module	1x1
Lower engine temperature threshold for leakage diagnosis module	1x1
TMOT threshold for KSTAA active at after start	1x1
turn on delay for detection of condition lamsons_w > 1.0	1x1
air mass threshold for activation readiness LRSHK at condition < 1.0, bank 2	1x1
Threshold for boiling prevention	1x1
Minimum engine coolant temperature for compulsory amplitude	1x1
Delay time to supress changes of air mass for sensor downstr. main cat	1x1
tmot threshold for enabling of torque limitation	1x1
max. engine cool.temp. for retriggering models (blockheater-detection)	1x1
max. engine cool. temp. threshold to update ambient temp. by intake air temp.	1x1
TMN1DlUE1	1x1
TMN2DLUE1	1x1
TMN3DLUE1	1x1
minimum catalyst temperature for monitoring during tester mode	1x1
TMNKSLUE1	1x1
engine temperature limit (for post-start torque increase)	1x1
Engine temp. threshold for the after-start expansion in the watchdog function	1x1
TMNST	1x1
minimum time between 2 adaptation steps (trans. contr. adaptation)	1x1
Temperature threshold f. release of NW-cat.heat. functionality	1x1
min engine temperature threshold to enable camshaft control	1x1
max engine temperature threshold to enable camshaft control	1x1
threshold of engine temperature to enable camshaft control during start	1x1
Active time for purge control leak test in Mode 8	1x1
Threshold difference coolant temperature for hot start	3x1
minimal engine temperature for hot engine	1x1
minimal plausible engine temperature in instruction test	1x1
minimal plausible engine temperature	1x1
Upper temperature threshold for reset of B_stendes if B_stend = false	1x1
threshold depending on engine temperature for activation of DMD	1x1
Maximun Temperature to keep the Fan off while TEV-Diagnostics	1x1
engine temperature calculation, inverse function	20x1
Min. engine temperature	1x1
Max. engine temperature	1x1
Maximum engine start temperature to confirm CSD error in the next trip	1x1
Temperature threshold for the limp home function of the crankshaft sensor	1x1
Engine temperature threshold for activation of increased engine speed limit	1x1
lower temperature threshold for tmot	1x1
engine temperature for warm engine	1x1
deactivation temperature threshold for auxiliary water pump	1x1
activation temperature threshold for auxiliary water pump	1x1
Max. permitted engine start temperature for the ZWP-control	1x1
minimum engine cool. temp. threshold for non plaus.-check of fixed TANS signal	1x1
lower engine cool. temp. threshold for non plaus.-check of fixed TANS signal	1x1
lower threshold of engine coolant temp. for disabling pullup resistor	1x1
upper threshold of engine coolant temp. for enabling pullup resistor	1x1
engine temperature threshold to enable quick start via phase sensor signal	1x1
cut-out condition (idle-speed switch = 0)	1x1
cut-out condition (idle-speed switch = 1)	1x1
cut-in temperature adaptive precontrol for lambda closed-loop control	1x1

cut-in temperature adaptive precontrol for lambda closed-loop control	1x1
cut-out threshold of lambda closed-loop control at low starting temperature	1x1
tmot threshold for resetting the time counter for hot idling	1x1
upper threshold of engine coolant temp. for thermostat monitoring	1x1
lower threshold of engine coolant temp. for thermostat monitoring	1x1
engine temp. threshold for recognition cold start for measur. sensor downstream	1x1
threshold for engine switch-off temp. for measur. cooling sensor downstream cat	1x1
threshold engine temp.for triggering of TLRHS-blocking time LC during hot start	1x1
engine temperature threshold for short initial phase LRA when engine hot	1x1
engine temperature threshold for detection fuel in oil	1x1
min. engine temperature for secondary air system release by diagnostic	1x1
max. engine temperature for secondary air system release by diagnostic	1x1
threshold of engine temperature for disabled secondary air	1x1
min. engine temperature for secondary air system release by catalyst heating	1x1
max. engine temperature for secondary air system release by catalyst heating	1x1
threshold tms for endless purge control, if mixture adaptation without error	1x1
Initialization value: desired value engine temperature 5	1x1
initialization value of low pass desired engine temperature	1x1
KMTR default value desired engine temperature	1x1
desired temperature dependent on the oil temperature	5x1
engine cool. start temp. threshold for non plaus.-check of fixed TANS signal	1x1
debouncing time for irreversible ASR/MSR deactivation in case of message fault	1x1
Debounce time for detection of discrepant updating	1x1
upper threshold of engine coolant temp. for stuck signal check	1x1
lower threshold of engine coolant temp. for stuck signal check	1x1
char. linie for count up of ABO-counter dependent on start temperature	4x1
TMSTDMD	1x1
threshold engine start temp. for selection map for engine lambda	1x1
Threshold for engine temperature at start for adaptation of requirement	1x1
start temperature threshold at this the CPC can be directly active	1x1
minimum engine start temp. for monitoring	1x1
lower eng. cool. start temp. threshold for non plaus.-check of fixed TANS signal	1x1
engine temperature threshold for intake manifold switch over	1x1
Temperature threshold for intake manifold switch over with response delay	1x1
Lower Tmot threshold for temporary UMA adapation	1x1
engine-temperature threshold for canister purge	1x1
temperature threshold for start of integrated air mass for detection fuel in oil	1x1
temperature thresh. for detection of hard LC-switch on	1x1
lower ambient temperature threshold for diagnose	1x1
temperature range cold engine for adaption of transient control	1x1
lower engine temperature limit for adaptiation of trans.contr.	1x1
temperature range hot engine for adaptation of transient control	1x1
Lower temperature threshold for reset of B_stendes if B_stend = false	1x1
Debounce time: ETC torque limitation is active for a longer time	1x1
minimum engine temperature for angle adaptation camshaft	1x1
engine temperture threshold for fulfilment ""warm up cycle""	1x1
engine temperture threshold for fulfilment ""warm up cycle""	1x1
engine temperture threshold during cranking for fulfilment ""warm up cycle""	1x1
maximumm catalyst temperature for monitoring during tester mode	1x1
Maximum temperature for torque limitation	1x1
maximum starter operating time for one try to start	1x1
Delay time after end of start to dissable diagnosis camshaft control DNWVPx	1x1
temperature limit for angular priority during cold-start	1x1
Threshold of engine temperature for low-idle ignition angle adaptation	1x1
Min. Engine temperature for low-idle ignition angle adaptation during catalyst h	1x1
double denominator time constant for cruise control	8x1

duration of test-phase after detected misfire	1x1
Time constant for torque limitation by exhaust temperature	1x1
minimum ECU after-run time for ramp-like decreasing control of fan	1x1
minimal ECM-afterrun for ATM - afterrun-time	1x1
at tmot > limit ECM_afterrun for ATM B_nlatm = 1	1x1
at tumg (tatu-ATM) > limit SG-afterrun-time B_nlatm = 1	1x1
threshold ECM-afterrun for EKP-lead time	1x1
increasing of switch-off delay time in case of E_tm	1x1
minimum necessary ECU after-run time to enable the fan triggering	1x1
delay time until fan is turned off (if not afterrun)	1x1
Delay time for ECU shut-off	6x1
minimum time for ECM-switch-off delay	1x1
maximum time for ECM-switch-off delay	1x1
TNLSGMXMD	1x1
Max. control unit run time after end of start for reset fan afterrun timer	1x1
abort condition of after-run time for fan triggering	1x1
delay time for ignition cutoff at SKA for monitoring function	1x1
Post-run limit for second auxiliary water pump	1x1
Maximum duration of increased engine speed limit	1x1
debounce time for the entries of the AAG default path	1x1
post-start monitoring time	1x1
Time after start for torque reserve catalyst heating	1x1
Threshold deviation compare time since end of start	1x1
TNSLBZA	1x1
TNSLBZAI	1x1
TNSLBZAN	1x1
filter-time constant for nslfa	1x1
debounce time for turning off the post-start torque increase	1x1
max. time after start to retrigger calculation of engine temperature model	1x1
TNSTAU	1x1
time after end of start, while pump mustn't be controlled activ	1x1
time after start for diagnosis wire-to-wire (monoflop)	1x1
Minimum time delay after cranking before activation of Phase 4	1x1
time after engine start to enable adaptation stop (healing)	1x1
TNSTGES	1x1
Time rl prediction suppression in post-start	1x1
disabling time of transient control during post-cranking	1x1
disabling time of trans. contr. adaptation during post-cranking	1x1
max. time for one edge adaption of camshaft phase sensor	1x1
max. time for one edge adaption of camshaft phase sensor (fine tuning)	1x1
time inlet camshaft in active position by demand on tester	1x1
time constant for ramp of desired angle at inlet camshaft by control of tester	1x1
Control duration until lock position is reliably quit (intake camshaft)	1x1
Control duration in direct. of ref. position f. releasing lock (intake camshaft)	1x1
time inlet camshaft in passive position by demand on tester	1x1
Slow time const. f. des.val.change limit. intake cam.	1x1
Time: sw.over des.val.change limit. after start end intake cam.	4x1
Time for shaking intake- or outlet camshaft	1x1
Time for change of position during shaking intake camshaft	1x1
delay time for beginning camshaft control of inlet camshaft by tester	1x1
Rest time at one position at des. angle jumps (intake camshaft)	1x1
Time after engine start until low-idle ignition angle adaptation is active	1x1
threshold of oil temperature to enable adaption of referenceposition camshaft	1x1
Min oil temperature to enable diagnosis inlet camshaft control	1x1
Max oil temperature to enable diagnosis inlet camshaft control	1x1
min. oil temperature for the turbo factor	1x1

min. oil temperature for oil filling computation	1x1
max. oil temperature for oil filling computation	1x1
Min. threshold of oil temperature to enable camshaft control (error of sensor)	1x1
Max. threshold of oil temperature to enable camshaft control (error of sensor)	1x1
Min. threshold of oil temperature to enable camshaft control	1x1
Max. threshold of oil temperature to enable camshaft control	1x1
Turbo factor oil temperature for maintenance interval prolongation	1x1
min. necessary time inside measuring window during offset phase	1x1
min. necessary time inside measuring window during offset phase by FA	1x1
min. necessary time inside measuring window during offset phase by functional ch	1x1
max. permissible time inside measuring window during offstet phase	1x1
Replacement value for oil temperature	1x1
Backup value for oil temperature in KMTR	1x1
debounce counter for response time of the oil level sensor	1x1
min. value for a time plausibility of the oil level of filling	1x1
max. value for a time plausibility of the oil level of filling	1x1
debounce counter after KI15 on for evaluation of the oil level	1x1
time for not-pressing GRA- pushbutton- main switch for new release	1x1
time for ""mainswitch status ON"" with GRA- pushbutton- main switch	1x1
time for detection of unplausible long operation of GRA- pushbutton- main switch	1x1
threshold of oil temperature to enable adaption of camshaft by demand on tester	1x1
time for repeating DTEV at non stop idle	1x1
Number of FIFO entries to calculate the period duration average value	1x1
minimal engine temperature for phase detection	1x1
Period for heater timing of LSU	1x1
Period for heater timing of LSU	1x1
lockout time for phase detection, after leaving the suitable operating range	1x1
lockout time for phase detection after unsuccessful detection	1x1
Test time after start end for DVE diagnostic routine	1x1
Test time after start end for PWG diagnostic routine	1x1
tooth debouncing time during initialisation	1x1
Period threshold at LDP-TEV-check	1x1
Filter time for PUKORF	1x1
antibeat time for detecting trans. contr. activity (trans. contr. adaptation)	1x1
Time delay for currentpuls if sensorvoltage stay within band downstream cat	1x1
Array for duration of pumping sequences	30x1
Delay time accelerator pedal sensor drift recognition in fault case	1x1
Delay time accelerator pedal sensor drift recognition in case with no fault	1x1
Waiting time before DV-E Powersave becomes active	1x1
time for decrementation of the purge rate	1x1
time for fast decrementation of the purge rate	1x1
monitoring time for lower load limit of lambda closed-loop control	1x1
tooth period time for reverse rotation during stop	1x1
Time needed for Ri-calculation up to date downstream catalyst	1x1
Time needed for pump impulse for both banks downstream catalyst	1x1
TRINSTART	1x1
Short trip: minimum time for active close loop reguation pre catalyst	1x1
minimum time for active close loop reguation pre catalyst	1x1
monitoring duration rkat, rkaz sufficient	1x1
activation duration rkat for setting the cycle-flag if B_gae = FALSE	1x1
Monitoring time Reed contact opens during fast pulse	1x1
activation duration rkaz for setting the cycle-flag if B_gae = FALSE	1x1
monitoring time cabel brocken (downstream CAT) funct. requ. for Short trip	1x1
monitoring time cable broken (Voltage within range) for sensor downstream cat	1x1
monitoringdelay time for closed loop on	1x1
Max. value of relative second counter	1x1

minimum duration of fuel cut-off for catalyst oxygen neutralization	1x1
minimum duration of fuel cut-off for catalyst oxygen neutralization bank2	1x1
Time after fuel cut-off for the checking of the sensor downstream catalyst	1x1
Time window for OSC measurement main catalyst	1x1
temperature dependant delay time for catalyst monitoring	4x1
Debouncing time for dropp. below the veh. speed thresh. for transition nac	1x1
minimum switch on time of secondary air pump	1x1
time for release control of secondary air pump during catalyst heating	4x1
maximal time for control of secondary air pump during catalyst heating	4x1
charging time at fuel cut-off	1x1
Charging time limitation	1x1
chargine-time limitation in case of fault	1x1
blocking time for enabling UK-adaptation	1x1
Timer to detect signal range check at vehicle speed diagnosis	1x1
Minimum switching time Reed contact for abortion fast pulse	1x1
debounce time to heal the AAG default path	1x1
Time for activation of EKP by automatic start	1x1
TSTAW	6x1
debounce time to heal the STBBT default path	1x1
debounce time to heal the STBLS default path	1x1
debounce time to heal the STECD default path	1x1
debounce time to heal the STESP default path	1x1
debounce time to heal the ILM default path	1x1
TSTM	1x1
time after start for PCV that has been forced closed	1x1
time to set value correction after acceleration finished	8x1
time to set value correction after deceleration finished	8x1
dead time for inquiry on total ignition timing retard	1x1
period for theoretical operation readiness of sensor with heating	1x1
Time between braking and setting B_brems=true (leakage)	1x1
time for canister purge phase	1x1
duration of canister purge phase with completed mixture adaptation	1x1
Delay time after engine start for activating the purge control valve	1x1
maximum time for purge stop at idle if the cycle flags are not set	1x1
time during canister purge for basic adaptation	1x1
Duration of the first mixture adaptation phase	1x1
Duration of the first mixture adaptation phase if hot engine	1x1
Time for canister purge stop for lambda adaptation, upper threshold	1x1
Time for canister purge stop for lambda adaptation, lower threshold	1x1
Duration of the first purge phase	1x1
time for minimum canister purge phase	1x1
time after start for switching to endless purging	1x1
duration of stay for CPV opening with not successful frm	1x1
Time for permanent canister purge, upper threshold	1x1
Time for permanent canister purge, lower threshold	1x1
Time delay for consideration of torque transmission after nmot-dynamics	1x1
On-Time for tip-in offset on max. spark retard	1x1
Time for voltage of O2 sensor post cat lower/higher than desired threshold	1x1
Time for steady-state during temp. UMA adaptation	1x1
Idle time LDP- immediate control during fast pulse	1x1
TTVLU1MX	1x1
TTVLU1MX	1x1
TTVLU2MX	1x1
TTVLU2MX	1x1
filter time for redundant terminal 15 - sensing	1x1
minimum desired temperature dependent on the heater potentiometer	5x1

maximum desired temperature dependent on the heater potentiometer	5x1
substitute value of ambient (-air) temperature for engine coolant temp. model	1x1
Backup value for environment temperature in KMTR	1x1
Air temp. limit for control of extra water pump	1x1
minimum ambient air temp. limit for activation of extra water pump	1x1
Environment temperature threshold for fast fan rev-up	1x1
Changing time for old to new duty cycle in after run	1x1
Changing time for old to new duty cycle in after run	1x1
initial value of ambient temperature	1x1
inital value of ambient temperature (from TANS)	1x1
Dead time for switch-over: CJ125	1x1
Dead time for switch-over: CJ120/CJ125 for electrical adjustment	1x1
Min. desired temperature depending on Climatronic	5x1
Max. desired temperature depending on Climatronic	5x1
Fault time during comparison of PWG potentiometer 1 and 2	1x1
Fault time for upper violation of range by PWG potentiometer 1	1x1
Fault time for lower violation of range by PWG potentiometer 1	1x1
Fault time for upper violation of range by PWG potentiometer 2	1x1
Fault time for lower violation of range by PWG potentiometer 2	1x1
Time for holding of the sensor voltage after on-load impulse downstream catalyst	1x1
Delay time for interference peaks at thrust detection of the rear oxygen sensor	1x1
Delay time after dew point end to enable check of heater downstr. cat	1x1
time for duration until lean/rich detection is downstream cat	1x1
Time duration for release of oscillation check. (Reset F/M-Flip-Flop)	1x1
Minimum time for measuring the gradient for enable filter downstr. cat	1x1
Time window to measure heater coupling to sensor signal downstr. catalyst	1x1
Time of inter. suppress. f. switching off single funct.:sensor downstr. the cat.	1x1
Test time for duration enrichment/enleanment downstream catalyst	1x1
test. time for duration of enrichment bank 1 for exchanging of sen. downst. cat.	1x1
monitoring time for Usmax	1x1
delay time for Ri- measurement after leaving the voltage range downstr. cat	1x1
delay time after crossing the control threshold downstream cat	1x1
Delay for detection'wire to wire connection' after 'empty fuel tank for O2 po.ct	1x1
Delay for detection B_maxlash after empty fuel tank for O2 po.ct	1x1
delay time for LSU adjusting	1x1
Time delay switch off function after end of start	1x1
time for weighting factor deceleration enleanment active	1x1
Delay time for enabling of EGR after a locking	1x1
duty cycle at the acustic boundary for fan 1	1x1
duty cycle at the acustic boundary for fan 2	1x1
delay of starter control until end of starter motor afterrunning	1x1
Adjustable delay time after which start end has been reached	1x1
delay time until antisurge is inactive again	1x1
Time f. activation of dynamic surge damp. interv. after fuel cut-off	1x1
delay time for AR active again in case of steady-state	1x1
TVAUAK	1x1
TVAUF	1x1
TVAUM	1x1
delay time for blockheater-detection	1x1
delay time for activation of board-function	1x1
debouncing time after start end of start in case of ASR/MSR time out fault	1x1
Duty cycle after end of start ramp to activate diagnosis at sensor lines VM/UN	1x1
Settle time with dfrza > DFRZASNAMN	1x1
delay time after closing of the throttle	1x1
Delay time to enable diagnosis ""open circuit at VM""	1x1
debounce time for detection of the error in DPNKP	1x1

debounce time for detection of the error in DPNKPM	1x1
Delay time for dynamics measurement LSU	1x1
debounce time for registration of the error (short circuit and blocked engine)	1x1
debounce time for registration of the error (short circuit and blocked engine)	1x1
debounce time for error healing	1x1
Debounce time for diagnosis of start signal	1x1
debounce time of cycle flag in DSTSTE	1x1
debounce time for max error detection of plausibilisation of check on ECM stuck	1x1
debounce time for max error detection of plausibilisation of check on ECM stuck	1x1
delay time between engine and Lambda- sensor	1x1
delay time for statement TEV o.k./defect in diagnosis DTEV	1x1
Duration as of PCV open for checking of DTEV	1x1
Min. time for activation conditions DTEV at idle fulfilled	1x1
delay time for setting of the flip flop ""Passive Diagnosis CPV o.k.""	1x1
delay time for setting of the flip flop ""Diagnosis passive possible""	1x1
delay time for closing CPV for active DTEV	1x1
Delay of the diagnosis \max. pulse-duty ratio\ after heater on\ or after B_SA	1x1
min. necessary time inside measuring window during phase valve tightness	1x1
min. necessary time inside measuring window during phase valve tightness by FA	1x1
max. permissible time inside measuring window during phase valve tightness	1x1
Delay time for brake-switch plausibility check	1x1
additional delay time until reaction on sta-error	1x1
default value for duty cycle thermostat	1x1
minimum duty cycle thermostat	1x1
minimum duty cycle thermostat	1x1
maximum duty cycle thermostat	1x1
Thermostat duty cycle when ignition off and no fan after run	1x1
Delay for enabling operation readiness of secondary air pump	1x1
time delay for min. or max. fkmsdk-limit are evaluation	1x1
Delay time after end of start until charge controller is enabled	1x1
Delay time after DRIVE-position switch off	8x1
Time delay until resetting of B_fil	1x1
delay time after DRIVE-position switch on	8x1
Engine-temp.-dependent delay time for gear selection off (R)	8x1
Engine-temp.-dependent delay time for gear selection on (R)	8x1
Delay for the cylinder filling	1x1
Time interval for vfz-differential calculation	1x1
Time to detect suspendig vehicle speed sensor	1x1
Delay time for activation of CIFI factors after camshaft phasing	1x1
Delay time for torque limitation by exhaust temperature	1x1
Delay time for gear at torque reserve after speed undershoot	1x1
Delay time for condition: gear shift active	1x1
Bridging time f. short-time omission of B_lrhkp	1x1
delay time diagnosis heater coupling	1x1
time diagnosis heater coupling	1x1
time diagnosis heater coupling	1x1
delay time for sensor heater downstream cut	1x1
Debounce time for heater output stage diagnosis downstream catalyst	1x1
Delay time for Ri fault downstream kat	1x1
Delay time for healing Ri fault downstream kat, if B_npfhsh =1	1x1
Delay time for healing Ri fault downstream kat	1x1
TVINWSE	1x1
Duty cycle for fast fan rev-up	1x1
Duty cycle for fast fan rev-up	1x1
Min. duty cycle: thermostat	1x1
Max. duty cycle: thermostat	1x1

delay time for B_koe OF	1x1
delay time for compressor ON	8x1
delay time for compressor ON	1x1
delay time for compressor ON	1x1
Delay time for simulation of an air conditioner switched-on during start-up	1x1
TVKRSTAT	1x1
cat monitoring: delay time until lambda stabilized	1x1
maximum richt time for rear sensor at catalyst monitoring	1x1
Delay time for B_kupplv	1x1
delay time of clutch for anti-jerking function	1x1
delay tine of unclutching for anti-jerking function	1x1
Delay time prior to reset of B_kupgw after engaging	1x1
delay time for clutch switch during shifting in higher gear	8x1
delay time of clutch for anti-jerking function	1x1
Delay time for the cluch information	1x1
delay time for clutch switch during shifting in lower gear	8x1
delay time for resetting of B_kupplv	1x1
Integrator time constant at vlast-calculation	8x1
Delay time nominal Lambda component protection	1x1
delay time for enabling of the charge balance	1x1
Minimum TEV-pulse duty factor for continuation leakage diagnosis	1x1
Pulse duty factor for fast pulse leakage diagnosis pump	6x1
Time during witch a negative integrator value is forbidden	1x1
Time delay at camshaft difference detection	1x1
turn-on delay: B_llri at engine speed overshoot	1x1
delay time to enable I-component after start-up	6x1
Maximal delay time to enable PD components after start-up	6x1
delay to disable proportional parameter in start	1x1
enable idle speed control after start	1x1
delay time for activation of the lambda adaption after lambda control active	1x1
Maximum permitted delay time after start for operating readiness of LSU	1x1
Delay time to set condition: ""sensor signal near 1.5V"" (B_lsudip)	1x1
Delay time for fault correction continuous Lambda sensor LSU	1x1
Delay time for fault correction continuous Lambda sensor LSU (Bank2)	1x1
Delay time for fault LSU in air	1x1
Delay time for foult continuous Lambda sensor LSU ""offset""	1x1
Delay time for foult continuous Lambda sensor LSU ""offset"" (Bank2)	1x1
delay time for B_lsuftb and B_lsumrb	1x1
delay time for B_lsuftb and B_lsumrb (Bank2)	1x1
Delay time for fault LSU interrupt trim resistor	1x1
Delay time for healing/cycle flag interrupted IA line	1x1
Delaytime Detection of Voltage fault during fuel-cut-off	1x1
fixed value for minimum duty cycle of fan 1	1x1
fixed value for minimum duty cycle of fan 1	1x1
fixed value for minimum duty cycle of fan 1	1x1
fixed value for maximum duty cycle of fan 1	1x1
fixed value for minimum duty cycle of fan 2	1x1
fixed value for minimum duty cycle of fan 2	1x1
fixed value for minimum duty cycle of fan 2	1x1
fixed value for maximum duty cycle of fan 2	1x1
Min. duty cycle fan 1	1x1
Max. duty cycle fan 1	1x1
Min. duty cycle fan 2	1x1
Max. duty cycle fan 2	1x1
Duty cycle: activation of the electr. thermostat valve at fan failure	1x1
Replacement value: actual state of the fan control at power stage fault	1x1

Replacement value of the fan control in the case of switchable fans	1x1
Delay for forbidden of the torque filter by creeping (CVT)	1x1
delay after start for computation of synamic torque	1x1
debounce time for activation of ignition intervention during torque limitation	1x1
TVMINACC	1x1
Delay time upper air mass band at catalyst monitor	1x1
Delay time lower air mass band at catalyst monitor	1x1
Speed prediction time for VMAX control	8x1
TVNKL15	1x1
Control duty cycle: fan 1 at the end of the after-run time KMTR	1x1
Control duty cycle: fan 2 at the end of the after-run time KMTR	1x1
duty cycle of thermostat during after-run	1x1
triggering of fan 1 during after-run for main-relay test	1x1
triggering of fan 2 during after-run for main-relay test	1x1
triggering of electric thermostat valve during after-run for main-relay test	1x1
Delay time until switchover enable following transmission intervention	1x1
TVNWMNE	1x1
TVNWMXE	1x1
delaytime to enable camshaft control if enginespeed > desired engine speed	4x1
delay time : enable of camshaft control after start, depending on engine temp	4x1
Delay time after the inlet valve is in retarded position with certainty	1x1
Delay time to set error open circuit at IP (frm)	1x1
Delay time of braking reaction after braking	1x1
delay time for recognition of implausible signal from throttle potentiometer 1	1x1
delay time for recognition of implausible signal from throttle potentiometer 2	1x1
delay: proportional parameter for kathalyst-heating	1x1
Fault-tolerance time for checking synchronouso operation of DK potentiometers	1x1
fault-tol. time checking sync.-operation pot. 1 and subs. value from charging	1x1
fault-tol. time checking sync. operation DK-pot. 2 and subs. value from charging	1x1
Debouncing time for reset fault	1x1
Debouncing time for set fault	1x1
delay time for reset of counter for fuel in oil	1x1
Hold time for increased torque reserve after engine speed drop	1x1
Initialization period: torque reserve after start-up	1x1
duration of deceleration for active torque reserve 'take off'	1x1
Delay time for Ri fault	1x1
Delay time to stop 3kHz modulation because Ri is too high	1x1
Delay time to switch off the increased Ref.-pumping current after the start	1x1
SA-delay time at function request ((B_fa) and gangi = 0	1x1
delay time for LSU adjusting after starting	1x1
delay time for CPV colsing vor fuel cut off	1x1
Delay time after fuel cut off to activate Diagnosis on open circuit at line VM	1x1
delay time for closing of the PCV after readiness for fuel cut off	6x1
delay time after cranking for fuel cut off	6x1
delay time for setting error flag of monitoring of lambda sensor wires	1x1
delay time for setting error flag of monitoring of lambda sensor wires	1x1
Delay time to set cycle flag Z_lsuip	1x1
delay time for healing of lambda sensor wires faults	1x1
Debounce time S_KL50 for diagnosis of start signal	1x1
delay time, switching off secondary air	1x1
Delay time switch off secondary air valve	1x1
Delay time switch on secondary air valve	1x1
Delay time to suppress disturbances at debounce time	1x1
Delay time to suppress disturbances at debounce time (Bank2)	1x1
Delay time to suppress disturbances at debounce time	1x1
constant delay time for starter motor control	1x1

duty cycle of thermostat in the starting range	1x1
fixed value duty cycle fan 1 time span after start	1x1
fixed value duty cycle fan 1 time span after start	1x1
delay time for intake manifold switch over, flap 1	1x1
delay time for intake manifold switch over, flap 2	1x1
delay time for intake manifold switch over, if controlled	1x1
delay time for intake manifold switch over in dependence of engine temperatur	6x1
delay time for intake manifold switch over, if not controlled	1x1
delay time for intake manifold switch over after start	1x1
Delay time for information canister empty-state terminated	1x1
Minimum TEV-pulse duty factor at DLDP- TEV- Check	1x1
pressure dependent delay time for PCV	5x1
wate time for tip-in active	1x1
Delay time for setting Error as a reason of empty tank	1x1
Delay time for setting Error as a reason of empty tank	1x1
Delay time for setting Error as a reason of empty tank	1x1
Debouncing time f. tmkic-fault	1x1
Debouncing time f. switch-over to replacement value at tmkic-fault	1x1
Delay time f. entering of a fault at the oil temp. sign. via CAN	1x1
Debouncing time f. switch-over to replacement value at tolc-fault	1x1
correction of the injection time in dependence of evtmod	4x1
Delay time for the setting of a fault for the CAN-signal tumc	1x1
Debouncing time f. switch-over to replacement value at tumc-fault	1x1
delay for threshold velocity for determination ambient temperature	1x1
voltage correction	5x1
delay time for identification of the minimum voltage at the battery	1x1
delay time for start of the test of voltage (battery)	1x1
Max. time for new time information	1x1
Delay time deviation of clock information	1x1
Verzцgerungszeit nach der ushki im Spannungsband liegt	1x1
delay time for desired throttle angle	1x1
maximal zul. Zeit fьr Unterbrechung der Startdiagnose	1x1
Time until transition to continuously retarded limiting	1x1
Time until transition to dynamic retarded limiting	1x1
Lower threshold of the temperature field for fine adaption	1x1
Upper threshold of the temperature field for fine adaption	1x1
TWARNMN	1x1
minimum engine temperature for angle adaptation camshaft by demand on tester	1x1
maximum engine temperature for angle adaptation camshaft by demand on tester	1x1
waiting time for condition 'driving cycle'	1x1
accumulated waiting time out of matched area to reset cond. radiation power high	1x1
waiting time within matched area to set condition radiation power high	1x1
accumulated waiting time out of matched area to reset cond. radiation power low	1x1
waiting time within matched area to set condition radiation power low	1x1
waiting time after stop condition for filter and integrator	1x1
time after nmot = 0 and KI.15 OFF until run after	1x1
Weighting time constant for filtering of reference throttle blade position	1x1
time constant for filtering of reference throttle blade position	6x1
Waiting time to enable adaptation of resistant torque	1x1
delay time f. diagn. of UBR during delayed power down up to switch off component	1x1
waiting time for fast healing condition of thermostat monitoring	1x1
TWHRLSUZMX	1x1
maximum pipe wall temperature to set internal cycle flag of start diagnosis	1x1
minimum waiting time during delayed power down up to stuck signal-check of TANS	1x1
Min.waiting time after end of engine start for counter of del. power down checks	1x1
Waiting time after engine start	1x1

wait period until the signal not-empty-tank is valid	1x1
Time after start until first calculation of wnwem	1x1
debouncing time for withdrawal of the idle input at life detection	1x1
Delay time for limiting pedal travel for operated brake	1x1
max. waiting time up to reset condition TMOT-Gradient too high	1x1
waiting time to enable min/max-monitor for stuck sign. check of engine cool.temp	1x1
threshold soak time for re-start	12x1
waiting time for max.-range check of TMOT following hot soak start	1x1
minimum waiting following exceeded eng.coolant temp. for heat transition to TANS	1x1
TWVDCMN	1x1
Upper threshold of tube wall temperature at position of lambda sensor LSU	1x1
max. time after start for microfine leak diagnosis (0.5 mm)	1x1
double numerator time constant for cruise control	8x1
TZGEZWMX	1x1
Resting time for filter initialisation	1x1
Duration of the dynamic derivation	6x1
Tolerance between time and tooth counter detection in timer increments	1x1
runtime for ZWP2 in regular operation	1x1
Waiting period after engine start for the control of the additional water pump	1x1
Waiting period after engine start for the control of the additional water pump	1x1
Control duration of the additional water pump	1x1
T_ADRAUS	1x1
T_ADRBR	1x1
T_ADRMD	1x1
T_ADRUEB	1x1
T_ANLEN	1x1
time til starter disengagement if speed sensor error	1x1
Time for GRA cut-out for ASR-intervention	1x1
monitoring counter for upper limit of the message-counter difference for BEM	1x1
monitoring time for lower limit of the message counter difference for Energiem.	1x1
monitoring counter for upper limit of the message-counter difference for Br5	1x1
monitoring time for lower limit of the message counter difference for Br5	1x1
monitoring counter for upper limit of the message-counter difference	1x1
monitoring time for lower limit of the message counter difference	1x1
monitoring counter for upper limit of the message-counter difference	1x1
monitoring time for lower limit of the message counter difference	1x1
T_GESGE3	1x1
T_KLIMADEADCTR	1x1
T_KOM1CLDEAD	1x1
T_NEBEM	1x1
time for setting message-interruption for CAN-message Diagnose1	1x1
T_NEGAT	1x1
T_NEGE	1x1
T_NOMADR	1x1
T_NOMADRTA	1x1
timeout time for airbag message	1x1
prolonged timeout time for airbag message	1x1
filter time until communication interruption to node ASR is detected	1x1
DCAN timeout time ASR message	1x1
timeout time of energymanager message	1x1
T_NOMBR2	1x1
CAN: timeout time for message brake 3	1x1
timeout for message brake 5	1x1
T_NOMBR8	1x1
Delaytime for release Timeout-Error of CAN-message Diagnose1	1x1
Filter time until detection of communication interrupt to EGS-knot	1x1

timeout time of gateway message	1x1
timeout time of gateway message	1x1
fault time GRA message	1x1
T_NOMGRAD	1x1
timeout time GRA message	1x1
DCAN timeout time instrument message	1x1
timeout time message instrument1	1x1
timeout time message instrument2 and 3	1x1
timeout time message clima1	1x1
CAN timeout time of steering-angle sensor message	1x1
timeout time TOG message	1x1
Timeout monitoring time for ZAS-message	1x1
T_NOMZASTA	1x1
short timeout time for ADR/ACC message	1x1
T_NUBR2	1x1
T_NUBR5	1x1
T_NUBR8	1x1
T_NUCINS1	1x1
T_NUCINS23	1x1
T_NUKLA	1x1
time for LWS-message interrupt	1x1
T_NUTOG	1x1
time after end of start for evaluation of drive position S_fs	1x1
minimum input voltage for pressure sensor diagnosis	1x1
maximum input voltage for pressure sensor diagnosis	1x1
Step width for OPEN ramp	1x1
Engine speed threshold for the release of the UMA learning and gain adjustment	1x1
Pedal threshold for UMA learning allowed	1x1
Abort threshold PID-sum for CLOSE ramp	1x1
Abort threshold PID-sum for OPEN ramp	1x1
Lower inlet air temperature threshold for release of learning	1x1
Car velocity threshold for DV-E check/adaption	1x1
Step width for CLOSE ramp	1x1
upper engine temperature threshold for stop limit	1x1
Threshold for storage of new learning values	1x1
lower engine temperature threshold for stop limit	1x1
lower plausible IC output voltage UA to detect open circuit at sensor line UN	1x1
upper plausible IC output voltage UA to detect open circuit at sensor line UN	1x1
lower plausible IC output voltage UA to detect open circuit at sensor line VM	1x1
upper plausible IC output voltage UA to detect open circuit at sensor line VM	1x1
lower threshold to detect open circut at sensor line IP	1x1
upper threshold to detect open circut at sensor line IP	1x1
battery voltage threshold for switching off oxygen sensor heater of LSU	1x1
replace value for UBATT at damaged AD-channel	1x1
Threshold battery voltage for test pulse	1x1
Min. limiting value battery voltage	1x1
Max. limiting value battery voltage	1x1
lower battery voltage threshold for release the sensor heater diagnosis	1x1
upper battery voltage threshold for the sensor heater diagnosis	1x1
Max. operating voltage to activate the DICLSU	1x1
battery voltage threshold for release the sensor diagnosis	1x1
min. battery voltage (power supply)	1x1
min. battery voltage (ADC)	1x1
battery voltage, lower threshold to take over value for delayed power down	1x1
max. battery voltage	1x1
minimum battery voltage to start DTEV	1x1

maximum battery voltage to start DTEV	1x1
battery voltage drop for recognizing 'starter cranking'	1x1
Lower limit of battery voltage for CC shutdown	1x1
Minimal supply voltage for MAF-Sensor	1x1
Battery voltage threshold for the switch to substitute load signal in standard q	1x1
Minimum supply voltage for LSU for diagnosis DHRLSU / DHRLSUE	1x1
Minimum supply voltage for LSU for diagnosis DHRLSU / DHRLSUE	1x1
Maximum supply voltage for LSU for diagnosis DHRLSU	1x1
Maximum supply voltage for LSU for diagnosis DHRLSU	1x1
battery voltage threshold for switching off oxygen sensor heater	1x1
Ub threshold for redundant KL15 sensing	1x1
min battery voltage for fan power stage diagnosis activ	1x1
max battery voltage for fan power stage diagnosis activ	1x1
battery-voltage limit for ZUBKSTMX	1x1
Threshold number of Ubat measurements lower than UBKST for adaptation blocking	1x1
Minimum battery voltage	1x1
minimum threshold of onboarb voltage for enabling pullup resistor	1x1
UB-replace value during ECU afterrun	1x1
Lower limit for Batterey target voltage	1x1
Erkennung Lastabfall	1x1
lower threshold for pnboard battery voltage via main relay	1x1
upper threshold for onboard battery voltage via main relay	1x1
threshold for not plausible onboard battery voltage via main relay	1x1
min. voltage for switch on secondary air at start	1x1
max. voltage for switch on secondary air at start	1x1
Lower limit for Batterey target voltage	1x1
Upper limit for Batterey target voltage	1x1
min. battery voltage threshold for control brake booster pump possible	1x1
max. battery voltage threshold for control brake booster pump possible	1x1
minimum voltage to detect min-error in DSTA (engage starter)	1x1
batt. voltage threshold for using amplified signal from DK-potentiometer 1	1x1
batt. voltage threshold for using non-amplified signal from DK-potentiometer 1	1x1
Battery voltage threshold for release of learning	1x1
Nominal value voltage DK-Poti 1 in NLP-position	1x1
Nominal value voltage DK-Poti 2 in NLP-position	1x1
Tolerance of DK-potentiometer signal in limphome position	1x1
Max. voltage DK-Poti 1 at lower DK limit stop	1x1
Min. voltage DK-Poti 1 at lower DK limit stop	1x1
Voltage DK-poti 1 at the lower DK limit stop, initial. value	1x1
Nominal switch-over threshold for DK-Poti-1 switch-over	1x1
Rated travel of the throttle valve in the DV-E, (poti 1)	1x1
maximum permissible voltage from throttle potentiometer 1	1x1
minimum permissible voltage from throttle potentiometer 1	1x1
Nominal amplification for DK-Poti 1	1x1
Max. offset error for DK-Poti-1-amplifier	1x1
Min. offset error for DK-Poti-1-amplifier	1x1
Lower limit for upper adjust.pt. DK-Poti 1	1x1
Upper limit for lower adjust.pt. DK-Poti 1	1x1
Upper value amplification error for amplifier	1x1
Lower value amplification error for amplifier	1x1
Max. voltage DK-Poti 2 at lower DK limit stop	1x1
Min. voltage DK-Poti 2 at lower DK limit stop	1x1
Voltage DK-poti 2 at the lower DK limit stop, initial. value	1x1
maximum permissible voltage from throttle potentiometer 2	1x1
minimum permissible voltage from throttle potentiometer 2	1x1
Voltage offset for detection of the breakaway	1x1

Voltage offset at lower limit stop	1x1
Max. possible offset of the temp. UMA adaptation	1x1
voltage threshold for DIA/KR basic offset amplifier	1x1
integr.volt.thresh. f.diagn. knock eval.circ. test pulse	1x1
upper reference voltage threshold for diagnosis knock sensors	16x1
lower reference voltage threshold for diagnosis knock sensors	16x1
min. input voltage for brake booster pressure sensor diagnosis	1x1
Max. input voltage for brake booster pressures sensor diagnosis	1x1
Gear ratio depending of the gear	8x1
Erkennung Kurzschl. n. Masse	1x1
Erkennung Signalfehler	1x1
Threshold min. deviation soak time	1x1
upper limit of HR-voltage	1x1
Erkennung Kurzschl. n. ub.	1x1
Threshold max. deviation soak time	1x1
Nominal battery voltage for lambda sensor heating	1x1
upper limit of factor lambda-controller (fr) for enable UK-adaptation	9x1
lower limit of factor lambda-controller (fr) for enable UK-adaptation	9x1
UMECRST_TV_UM	1x1
UMNBUKSUE	1x1
UMRST_TV_UM	1x1
UMRST_TV_UM	1x1
min. umsrln_w for desired mass flow calculation	1x1
UMXBUKSUE	1x1
camshaft rotations for debouncing diagnosis DHFM	1x1
Nominal value for DV-E poti supply voltage	1x1
Lower limit for PWG potentiometer volt. before comparison potentiometer 1 and 2	1x1
Higher limit idle range upwg1_w for drift recognition	1x1
Upper barrier for PWG potentiometer-1 voltage	1x1
Higher limit upwg1_w for drift recognition	1x1
Lower barrier for PWG potentiometer-1 voltage	1x1
offset for PWG potentiometer-2 voltage	1x1
Higher limit idle range upwg2_w for drift recognition	1x1
Upper barrier for PWG potentiometer-2 voltage	1x1
Higher limit upwg2_w for drift recognition	1x1
Lower barrier for PWG potentiometer-2 voltage	1x1
Lower volt. limit of accelerator pedal poti for tolerance range of kick-down pos	1x1
Upper volt. limit of accelerator pedal poti for tolerance range of kick-down pos	1x1
Upper hyst. switching point for kick-down detection from potentiometer voltage	1x1
Lower hyst. switching point for kick-down detection from potentiometer voltage	1x1
Upper PWG voltage value for re-scaling to pedal value	1x1
Lower PWG voltage value for re-scaling to standard value	1x1
Default value of accelerator pedal poti voltage for learned kick-down pos	1x1
Ubatt threshold for diagnosis Crash signal	1x1
voltage of CJ125 if internal resistance rinlsu_w = 0	1x1
LSU voltage for zero pump current	1x1
downstream sensor voltage for detection of cat has compl. stored oxygen (word)	1x1
downstr. sensor voltage for detection of cat has compl. stored oxygen, (b2 word)	1x1
downstream sensor voltage for cancelation of cat oxygen neutralization (word)	1x1
downstr. sensor voltage for cancelation of cat oxygen neutralization bank2(word)	1x1
Sensor volt. threshold for detect. of ""Exhaust emission rich"" downstream of cat.	1x1
Sensor volt. threshold for detect. of ""Exhaust emission"" downstream of the cat.	1x1
Lean threshold for rear sensor signal, cat monitoring	1x1
threshold of rear sensor voltage for reference test	1x1
maximum value of rear sensor voltage for reference test	1x1
Upper voltage threshold for detection of exchanged sensors downstr. of catalyst	1x1

Lower voltage threshold for detection of exchanged sensors downstr. of catalyst	1x1
Threshold for lean volt. for reset dynamic measurement of sensor downstream cat.	1x1
min-Schwelle fьr plausible Spannung der hinteren Katsonde bei aktiver Regelung	1x1
max-Schwelle fьr plausible Spannung der hinteren Katsonde bei aktiver Regelung	1x1
Threshold for rich volt. for valid dyn. measurement of sensor downstream cat.	1x1
Value for maximum gradient for initial value of filter	1x1
Threshold for permitted gradient of the sensor voltage downstream catalyst	1x1
upper threshold value for sensor voltage bank1 (ushk_w)	1x1
Lower threshold value for sensor voltage bank2 (ushk2_w)	1x1
Threshold of rear lambda sensor voltage for defined catalyst state full	1x1
threshold for short circuit of sensor to Ubat	1x1
threshold for short circuit of sensor to Ubat	1x1
threshold for short circuit of sensor to Ubat	1x1
min. lean detected lambda sensor voltage for signal output	1x1
min. lean detected lambda sensor voltage for signal output	1x1
threshold for short circuit of sensor to ground	1x1
threshold for operation readiness of sensor downstream CAT at rich mixture	1x1
threshold for operat. readiness of sens. downstr. CAT at rich mixture on cold op	1x1
threshold for operation readiness of sensor downstream CAT at lean mixture	1x1
sensor threshold for lambda control downstr. of cat at function request B_fakat	1x1
Minimum voltage threshold for Ri-measurement of the sensor downstream catalyst	1x1
Upper voltage threshold for Ri-measurement of the sensor downstream catalyst	1x1
Lower voltage threshold for Ri-measurement of the sensor downstream catalyst	1x1
Threshold for sensor voltage downstream catalyst after fuel cut-off	1x1
Threshold for sensor voltage downstream catalyst after fuel cut-off	1x1
Threshold for sensor voltage downstream catalyst after fuel cut-off	1x1
Lambda sensor voltage threshold for reset of counter for fuel in oil	1x1
Threshold of rear lambda sensor voltage for defined catalyst state full	1x1
Minimum vehicle speed at activation DLDP	1x1
Speed threshold for approach support	1x1
Combined output: no. of valves	1x1
vehicle speed for anti-jerk active	1x1
default version for version coding	1x1
default version for version coding	1x1
default version for version coding	1x1
default version for version coding	1x1
default version for version coding	1x1
calibratable table of available variants (possibly-restricted versions of VARTAB	54x1
calibratable table of available variants (possibly-restricted versions of VARTAB	54x1
upper vehicle speed threshold for condition radiation power high	1x1
lower vehicle speed threshold for condition radiation power high	1x1
upper vehicle speed threshold for condition radiation power low	1x1
lower vehicle speed threshold for condition radiation power low	1x1
Minimum speed for dashpot	1x1
Speed threshold for tip in	1x1
min. vfzg-threshold for diagnosis clutch switch	1x1
vehicle speed threshold; fault detection vhehicle speed signal	1x1
Vehicle speed threshold for error detection	1x1
VECDMN	1x1
VECDMX	1x1
Maximum FGR switching-on rate	1x1
Minimum FGR switching-on rate	1x1
max. permitted velocity during active cruise control	1x1
max. permitted velocity during active cruise control	1x1
Minimum permissible speed during FGR-operation	1x1
Minimum permissible speed during FGR-operation	1x1

VFMTHMOTMS	6x1
VFMTHMUTMS	6x1
speed threshold for starter disengagement	1x1
Vehicle speed minimum threshold to enable conditions for thermostat monitoring	1x1
VFZGAU	1x1
KMTR default value for vehicle speed	1x1
threshold for vehicle speed	1x1
Detection of driving-standing	1x1
Threshold vfzroh_w to switch over zfcnt from 1 to ZFCNT1	1x1
Threshold vfzroh_w to switch over zfcnt from ZFCNT1 to 1	1x1
Threshold vfzroh_w to switch over zfcnt from ZFCNT1 to ZFCNT2	1x1
Threshold vfzroh_w to switch over zfcnt from ZFCNT2 to ZFCNT1	1x1
vehicle speed threshold for AC-control	1x1
Upper vehicle speed threshold to inhibit the AC-compressor	1x1
Speed threshold for compr. control during acceleration	1x1
Volume flow at initial filling	1x1
Volume flow EKP lead time from soak time	4x1
Volume flow EKP lead time from ECU after running	1x1
Min. speed for rough leakage verification	1x1
upper vfz threshold for 0.5 mm diagnosis	1x1
VLDPTEV	1x1
lower vfz threshold for 0.5 mm diagnosis	1x1
vehicle speed limit for idle speed control (fine quantization)	1x1
Max. value for vlast_w	6x1
Minimum speed for load-shock damping	1x1
Maximum permissible vehicle speed during normal operation	1x1
VMAXTM	5x1
VMAXTOL	5x1
Lower threshold of vehicle speed for battery voltage diagnosis	1x1
v-threshold for enabling of torque limitation	1x1
velocity threshold for a plausible ACC- request	1x1
speed threshold for plausible MSR intervention	1x1
Minimum speed for cruise control operation in instruction test	1x1
Minimum speed for cruise control operation in function monitoring	1x1
Vehicle speed threshold for clutch torque limitation when brake is applied	1x1
Min. speed threshold for stuck check	1x1
lower threshold of speed for motor mount control	1x1
lower threshold of speed for motor mount control	1x1
upper threshold of speed for motor mount control	1x1
upper threshold of speed for motor mount control	1x1
Vehicle speed threshold for activation of increased engine speed limit	1x1
velosity limit for desired idle speed (No. 3) in case of APM failure	1x1
Gear detection threshold for compr. shutdown at full load	1x1
Gear detection threshold for compr. shutdown at full load	1x1
Volume between front catalyst outlet and main catalyst intake	1x1
Volume between front catalyst outlet and main catalyst intake, bank 2	1x1
Gas volume in the main catalyst	1x1
Gas volume in the main catalyst, bank 2	1x1
upper vehiclespeed threshold for non plaus.-check of fixed TANS signal	1x1
lower vehiclespeed threshold for non plaus.-check of fixed TANS signal	1x1
max. permitted desired speed for cruise control	1x1
min. permitted desired speed for cruise control	1x1
Lower threshold vroh_w for FGR shutdown by vfzg_w = 0	1x1
maximum allowed raw vehicle speed for signal range check	1x1
vehicle speed threshold for cut off engine speed increase	1x1
car speed threshold for compensation power stearing	1x1

Min. vehicle speed DLDP for transition to state A_Stop	1x1
vehicle speed threshold for plausibility check of intake air temperature	1x1
VTIPINMX	1x1
threshold velocity for determination ambient temperature	1x1
threshold velocity for determination ambient temperature from TANS	1x1
upper limit value adjustmetn of V-interlocking	1x1
upper limit value adjustmetn of V-interlocking	1x1
lower limit value adjustment of V-interlocking	1x1
lower limit value adjustment of V-interlocking	1x1
Speed threshold for engine speed gradient nwe: clutch open	1x1
minimum speed for limiting pedal travel for operated brake	1x1
Factor weighting range 0 to 1	1x1
Factor weighting range 0 to 2	1x1
Factor weighting range 1 to 0	1x1
Factor weighting range 1 to 2	1x1
Factor weighting range 2 to 0	1x1
Factor weighting range 2 to 1	1x1
Waiting time for reset pulse duty cycle from the watchdog function	1x1
Waiting time for reset pulse duty cycle from the watchdog function	1x1
WDCANMN	1x1
WDCANMN	1x1
threshold throttle angle for activation of the mixture adaptation	10x1
Threshold for the DK movement detection (I-small)	1x1
throttle plate threshold for pressure sensor plausibilisation	6x1
Test threshold actual throttle-valve value for opening DV-E spring check	1x1
Higher shutdown actual throttle-valve value for opening DV-E spring check	1x1
Lower shutdown actual throttle-valve value for opening DV-E spring check	1x1
Deactivation threshold DK actual value for DV-E return spring check	1x1
Checking threshold DK actual value for DV-E return spring check	1x1
Upper allowed setpoint for NLP-position	1x1
Lower allowed setpoint for NLP-position	1x1
Permissible DK angle tolerance of the NLP	1x1
Threshold for plausibility check of NLP-Poisition wdknlp_w in Ini2	1x1
Threshold for storage of new learning values rel. limp home position	1x1
Frictional component of the DK I small	1x1
DK-set value used with apllication supply DK at air in limphome position	1x1
throttle angle for calibration tasks	1x1
DK setpoint for DV-E return spring check	1x1
Nominal throttle-valve value for opening DV-E spring check	1x1
throttle hysteresis threshold to activate/deactivate pedal overtravel	1x1
desired throttle angle at kl15 off	8x1
Offset added to appl. value of desired throttle position at low temperature	1x1
Threshold for detection of steady-state (amplified range)	1x1
Threshold for detection of steady-state (non-amplified range)	1x1
DK angle threshold for temporary UMA adaptation	1x1
throttle angle necessary for 95 % of the maximum possible air charge	12x1
angle injection break off	8x1
end of injection angle at max relative driver request	8x1
angle end of injection for simultaneous pulses during start, f(tmot)	6x1
Angle: intake closes late until TDC	1x1
Angle: intake closes late until TDC	1x1
Offset angle injection for quick start	1x1
threshold value for accelerator angle during test at end of production line	1x1
fuel wall hang.up	31x1
Immo: power class	1x1
Immo: brand identifier	1x1

Immo: time window Anpassung	1x1
Upper limit internal controller status continuous lambda control	1x1
Lower limit internal controller status continuous lambda control	1x1
Bloc of fixed values: ignition reatard offset for guided cylinder	8x1
ignition retard offset for guided cylinders in case of knock sensor error	1x1
WLLPED	1x1
factor for heat-quantity-correction at catalyst heating for dew-point end	1x1
factor for heat-quantity-correction at catalyst heating for dewpoint-end bank2	1x1
factor for heat-quantity-correction at cat. heating for B_atmtpk downstream cat.	1x1
factor for heat-quantity-correction at cat. heating for B_atmtpk downstream cat.	1x1
KL. max. des.angle f. int. res.gas contr. via intake cam.	16x1
adaptation limit of the retarded end position in the advanced direction	1x1
upper camshaft adaptation limit of the retarded end position(retarded direction)	1x1
NW-angle position with min. overlap: intake camshaft at BKV empty	1x1
offset desired inlet angle cam correction catalyst heating via altitude	4x1
desired cam position setting the cycle flag without inlet fault	1x1
Correction angle camshaft over engine temperature	5x1
Correction angle camshaft over engine temperature for PG2	5x1
Correction angle camshaft over speed	6x1
angle inlet valve opened in reference position relative to TDC	1x1
angle inlet valve opened in reference position relative to TDC	1x1
angle inlet valve opened in reference position relative to TDC	1x1
angle inlet valve opened in reference position relative to TDC	1x1
angle inlet valve opened in reference position relative to TDC	1x1
angle inlet valve opened in reference position relative to TDC	1x1
setpoint value of phase edges in reference position from PG	4x1
setpoint value of phase edges in reference position from PG	4x1
setpoint value of phase edges in reference position from PG2	4x1
setpoint value of phase edges in reference position from PG2	4x1
Calibration value: des. angle f. advanced position at jumps (intake camshaft)	1x1
Calibration value: des. angle f. retarded position at jumps (intake camshaft)	1x1
application value for nominale angle of camshaft inlet valve	1x1
Des. angle threshold: camshaft equaliz. at fault in 2bank sys. (intake)	1x1
desired angle for small overlap diagnosis in the exhaust system inlet	1x1
WNWSHMNE	1x1
WNWSHMXE	1x1
min value of desired angle of outlet camshaft closes (TDC)	1x1
min value of desired angle of inlet camshaft opens (TDC)	1x1
max value of desired angle of outlet camshaft closes (TDC)	1x1
max value of desired angle of inlet camshaft opens (TDC)	1x1
Border angle of the retarded shift for the assignment of camshaft to crankshaft	1x1
Border angle of the advanced shift for the assignment of camshaft to crankshaft	1x1
desired angle of inlet camshaft control during start	4x1
desired angle of inlet camshaft control at S_KL15 = off	4x1
Angle inlet valve opened in locking position relative to TDC	1x1
Angle inlet valve opened in locking position relative to TDC	1x1
threshold for max. oil level	1x1
threshold for max. oil level	1x1
WOELOFFMX	1x1
WOELOFFMX	1x1
Accelerator position threshold for the A/C cut off	8x1
lower threshold of pedal value for anti-jerking function	1x1
Back-calculated pedal value during acceleration with FGR	16x1
phase correction	8x1
Minimum pedal travel for kick-down detection	1x1
Maximum permissible pedal value for actuated brake (prior to detection of wped=0	1x1

Max. permissible pedal travel in PWG limp-home	1x1
pedal angle for deactivation of misuse protection	1x1
maximum prediction angle	1x1
minimal threshold for heat flow for release of catalyst heating with SAP	4x1
maximal threshold for heat flow for release of catalyst heating with SAP	4x1
Tolerance angle for nominal angle equality inlet	1x1
WUEFULOLHY	1x1
WUEFULOLHY	1x1
Max. number of repet. attempts for 1mm leakage check	1x1
max. number of repeated attempts after interruption in total	1x1
Max. number of repeated tests after stoppage	1x1
Max. number of repeated tests Reed-switch close to open check	1x1
Upper limit internal controller status continuous lambda control	1x1
Lower limit internal controller status continuous lambda control	1x1
Upper limit integral-action component LRS	1x1
start of misfire generator	1x1
time constante of the low pass filter for lateral acceleration	1x1
time constant for exhaust gas temperature model	7x1
time constant for exhaust gas temperature model bank2	7x1
time constant for modelled temperature in catayst tikatm	7x1
time constant for modelled temperature in catayst bank 2	7x1
time constant for catalyst temperature model tkatm	7x1
time constant for catalyst temperature model bank2	7x1
time constant for exhaust model temperature - pipe temperature	7x1
time constant for exhaust model temperature - pipe temperature bank2	7x1
Time constant f. pipe wall temperature model	5x1
reduction factor K-memory (tmot) for decel. enleanment	9x1
reduction factor L-memory (tmot) for accel. enrichment	9x1
time constant for combustion chamber temp. model	1x1
integration speed for canister charge adaptation	6x1
number of combustions for decision adaptation stop	1x1
number of combustions for decrease factor	1x1
threshold detected combustions for re-start	1x1
number of combustions for no change of factor	1x1
counter for coding-fault detection of the airbag message	1x1
time constant combustion chamber temperature model for negative gradient	8x1
time constant combustion chamber temperature model for positive gradient	8x1
additional tooth offset to wait for the next gap in quick start	1x1
Number of ignitions for decrease in range 1	1x1
Number of ignitions for decrease in range 2	1x1
Number of ignitions for decrease in range 3	1x1
Time constant delta lambda component protection	1x1
time constant for lowpass load gradient in kc	1x1
time constant for filtering pu, fho	1x1
Counter value for dynamic measurements of LSU at funktion request	1x1
Counter value for dynamic measurements of LSU	1x1
Fault counter for heater coupling to the Lambda signal	1x1
Fault counter status for brake-switch inplausibility	1x1
changing speed of engine efficiency because of purge control	1x1
Filter time constant for 16-bit acceleration signal	1x1
Number of tooth flanks in the middle speed range	1x1
Number of tooth flanks in the upper speed range	1x1
Filter time constant for LSU voltage adjustment upstream of the catalyzer	1x1
Counter for learning the transmitter information	1x1
integrator speed for fast constant mass flow adaption with EGR or unthrottled	1x1
time constant, changing to lambda-exhaust request	1x1

time constant: steering up the propotional controller on the air-path	1x1
Time constant for filtering the resistant torque	1x1
time constant for filter for offset in ambient air temperature model	1x1
Filter time constant nmot for the diagnosis of canister purge valve	1x1
Attenuation factor for the internal resistance Ri Nernst filter downstream cat	1x1
Time constant for filter rinlsu_w	1x1
Time constant for filter krivk_w	1x1
ZFRINSTART	1x1
filter timeconstant for lambda controller	1x1
time constant for frm-filter (short test)	1x1
filter time constant for frmxa_w signal	1x1
time-constant for low pass filter of intake air temperature	1x1
Filter time constant for Lambda	1x1
time constant for filter vehicle speed signal	1x1
maximum number of heater interference events during cond. high nernst resistance	1x1
Time counter for stopping increased speed in hot idling	1x1
Time counter threshold for increased speed at hot idling	1x1
time constant for function request fast learning of dlahi	1x1
Filter time const. sim. dyn. ceramic temp. downstr. cat.	5x1
Filter time const. sim. dyn. ceramic temp. 2 downstr. cat.	5x1
time constant reducing torque reserve cat heating for brake booster	1x1
time constant for torque adaptation AT in drive and AC compressor on	1x1
time constant for torque adaptation AT in drive	1x1
time constant for torque adaptation AC compressor on	1x1
time constant for torque adaptation loadless	1x1
Time constant for gradual decrease of D-component converter torque	1x1
time constant for battery voltage filter	1x1
time constant for drlsol-filtering	1x1
Filter-time constant for deactivation of dtmbh	1x1
time constant of I controller in thermostat control	1x1
time constant for frao-integrator, f(number of starts with fuel in oil)	3x1
time constant for frau-integrator, f(number of starts with	3x1
time constant filtered factor load scavening air at tank ventilation	1x1
time constant for filtering the battery voltage	1x1
time constant for build-up of mean value for dgafra	8x1
Time constant for abort low-pass catalyzer heating	1x1
time konstant of filter for enrichment by driver	1x1
time constant lambda engine nominal at catalyst heating	1x1
time constant filter lamnswl_w	1x1
time constant of the LBZ integrator	1x1
Time constant for the decrease of the differential part of the controller	1x1
Time constant for fan torque reduction (Lьfter 1)	1x1
Time constant for fan torque reduction (fan 2)	1x1
filter-time constant for change from partial load to idling and vice versa	1x1
time constant A/C compressor-load decreasing	1x1
time constant A/C compressor-load decreasing	1x1
Time constant for power consumption torque reduction	1x1
Time constant to decrease the switching-on torque of the sec. air pump	1x1
Time constant to decrease the torque demand of the converter	1x1
Time constant to increase the torque demand of the converter	1x1
Time constant for filtering converter torque for forming D-component	1x1
integrator speed for fast constant mass-flow adaption	8x1
Filter time constant afterrun time calculation	1x1
Time constant for target engine speed when changing target	1x1
Time constant for target engine speed when changing target (rising)	1x1
Time constant NW-adjustment intake diagnosis	1x1

Time constant: camshaft adjustment desired angle intake diagnosis	1x1
Filter for sim. of dynamics for ceramic temp. from elec. heat. downstr.of cat.	1x1
Time constant filtering of set intake manifold pressure	6x1
integrator speed for slow constant mass-flow adaption	8x1
multiplicator for time constant for slow mass flow adaption	1x1
integrator speed for slow constant mass-flow adaption	8x1
time constant for decreasing control via ramp of fan 1 during after-run	1x1
time constant for decreasing control via ramp of fan 2 during after-run	1x1
integration speed integrator rkat, f(abo)	3x1
integration speed integrator rkaz, f(abo)	3x1
time constante low pass filter for mode 6 DTEV	1x1
Time constant switch off secondary air pump	1x1
Time constant switch on secondary air pump	1x1
time constant for engine cooling	4x1
low pass filter time constant for air mass flow of catalyst diagnosis	1x1
loss pass filter time constant for catalyst temperature of catalyst diagnosis	1x1
filter-time constant of desired radiator-outlet temperature with neg. gradient	1x1
filter-time constant of desired radiator-outlet temperature with pos. gradient	1x1
time constant of filter tkasoll	1x1
time constant for low pass filter of tmotlin input for stuck signal check	1x1
filter-time constant of desired engine temperature with neg. gradient	1x1
filter-time constant of desired engine temperature with pos. gradient	1x1
time constant for low pass of oil temperature calculation from TMOT	1x1
DLR, filter factor for filtering of Ubatt	1x1
time constant: turbine speed at gear shift (fluid converter)	1x1
Time constant for prediction of DK angle from setpoint	1x1
Time constant for weighing offset Lambda engine nominal value	1x1
time constant fьr lamsoni filter	1x1
time const.for decrease of the dynamic set point increase (dlasohkab)in the LRHK	1x1
time constant for PT1-filter of the pseude lambda behind catalyst	8x1
Time constant lambda component protection	1x1
filter time constant for adjusting integrator limits	1x1
Torque for power steering	1x1
time constant for decay of torque offset after cranking	8x1
Time cons. for filtering for the calc. of the energy needed for idling for DTEV	1x1
time constant for low-pass-filter air mass flow	1x1
Time constant for ml-filter	1x1
calculation of current time constant of low pass (permanent high load) mrfabnf_w	5x1
integrator speed for constant mass flow adaption with egr	1x1
filter time constant for calculation of relative evalution mssgin_w	1x1
Time constant for filtering of the calculated mass flow PCV	1x1
filter time constant for speed gradient on air path (LLR)	1x1
time constant for engine gradient filter	1x1
Time constant for engine speed gradient filtering	1x1
time constant for low pass revolution gradient	1x1
time constante of the low pass filter for engine speed	1x1
time constant for desired engine speed at low voltage	1x1
ZNWFILE	1x1
time constant for camshaft adaptation of the retarded end position	1x1
ZNWVHE	1x1
camshaft edge ID before the middle crankshaft gap	1x1
Number of Crash pulses until crash detected	1x1
Debouncing counter for diagnosis Crash signal	1x1
Time constant reset mass flow adjustment fkmsdk	1x1
Time constant RL-low-pass filter at downhill recognition	1x1
filter time constant for calculation of time constant of FRAT- adaptation	1x1

Time constant for filtering of the calculated charge PCV	1x1
Threshold of number of phase signals for DSTA-error identify	1x1
number of ignitions for stop of STADAP	1x1
number of ignitions until evaluation	1x1
Number of unused combustions for combustion detection	1x1
time constant for temperature dynamics for EGR add-on - shutdown	1x1
Time constant of dfrmof_w filter	1x1
time constant, engine temperature for combustion chamber temp. model	1x1
Time constant of msl_w and msllam_w filter	1x1
Time constant of mslv_w filter	1x1
Time constant for nmot-filter	1x1
max. time for a oil temperature plausibility	1x1
min. time for a oil temperature plausibility	1x1
number of teeth during start recognition	1x1
time constant for creating coil-temperature of injection valve	1x1
Time constant transient control substitute value for acceleration enrichment	1x1
time constant of transient control post cranking factor dependent on tmot	9x1
Time constant transient control substitute value for deceleration enleanment	1x1
reduction factor L-memory (tmot) for decel. enleanment	9x1
time constant of low-pass filter for fuel consumption	1x1
time constant for low pass filtering by intake manifold flaps dynamic	1x1
Application interface ignition angle adjustment	1x1
Fault tolerance time for ignition angle monitoring in function monitoring.	1x1
1. time constant throttle angle model	1x1
2. time constant throttle angle model	1x1
end angle of multiple strike ignition if configurated	1x1
Enable time for tipin offset on latest ignition angle	1x1
Number of cylinders bank 1	1x1
Number of cylinders bank 2	1x1
Cylinder number for ignition angle monitoring in function monitoring	1x1
cylinder to fade out	1x1
Value f. cylinder correction (tsroh to zzyldmd)	1x1
cylinder selective reference level limitation	1x1
Switchover threshold pattern angle	8x1
Map "Bosch II 8"	6x6
Map "Bosch II 16"	5x5
Map "Bosch II 16"	9x8
Map "Bosch II 16"	9x8
Map "Bosch II 16"	8x16
Map "Bosch II 16"	8x16
Map "Bosch II 16"	16x16
Map "Bosch II 16"	6x6
Map "Bosch II 16"	4x8
Map "Bosch II 16"	8x6
Map "Bosch II 16"	8x7
Map "Bosch II 16"	8x7
Map "Bosch III 16/8"	4x5
Map "Bosch 16"	7x8
Map "Bosch III 16/8"	4x7
Map "Bosch II 16"	8x8
Map "Bosch II 16"	7x7
Map "Bosch II 16"	8x8
Map "Bosch II 16"	8x8
Map "Bosch II 16"	6x8
Map "Bosch II 16"	8x6
Map "Bosch II 16"	12x16

Map "Bosch II 16"	14x10
Map "Bosch II 16"	14x10
Map "Bosch II 16"	14x10
Map "Bosch II 16"	14x10
Map "Bosch II 16"	14x10
Map "Bosch II 16"	14x10
Map "Bosch II 16"	14x10
Map "Bosch II 16"	14x10
Map "Bosch II 16"	8x3
Map "Bosch II 16"	8x8
Map "Bosch II 16"	8x8
Map "Bosch II 16"	8x8
Map "Bosch II 16"	8x8
Map "Bosch II 16"	8x8
Map "Bosch II 16"	5x3
Map "Bosch II 16"	16x18
Map "Bosch II 16"	6x5
Map "Bosch II 16"	5x5