

Final quick test log

| | |
|-------------------------------|--------------------------|
| Model series | GLB (247) / 247.687 |
| MB workshop | 537 - GS0054150 |
| Vehicle identification number | W1N4M8HB9TW440156 |
| Steering variant | Right-hand drive vehicle |
| Total distance | 3102.1km |
| Software version | 37.8.2.1 |
| Data status | 06/2025 |
| Battery voltage | 13.5V |
| Hardware ID | CCE6D2E5A548 |
| Application ID | 256 |
| Time of quick test creation | 23.09.2025 12:09:35 |

| | |
|-----------------------------------|--------------|
| XENTRY system number | 523066 |
| Serial number of diagnostic unit: | 42221W005236 |

No need for commissioning of the Secure Onboard Communication was detected.

Installed add-on versions: 30314, 30320, 30428, 30471, 30508, 30524, 30531, 30535, 30536, 30537, 30543, 30551, 30552, 30553, 30558, 30563, 30567, 30571, 30572, 30575, 30583, 30584, 30585, 30592, 30594, 30597, 30598, 30603, 30606, 30608, 30612, 30613, 30620, 30622, 30623, 30625, 30628, 30633, 32003, 32005, 32008, 32009, 32012, 32014, 32017, 32023, 32028, 32030, 32032, 32034, 32038, 32040, 32042, 32043, 32045, 32046, 32048, 32051, 32054, 32056, 32057, 32058, 32059, 32062, 32063, 32065, 32066, 32069, 32072, 32074, 32075, 32076, 32079, 32081, 32085, 32087, 32090, 32092, 32093, 32094, 32095, 32098, 32099, 32100, 32101, 32103, 32106, 32107, 32114, 32115, 32122, 32123, 32124, 32127, 32130, 32132, 32133, 32134, 32136, 32138, 32140, 32141, 32144, 32145, 32150, 32151, 32155, 32158, 32159, 32164, 32166, 32168, 32169, 32171, 32174, 32177, 32178, 32180, 32181, 32184, 32185, 32188, 32189, 32194, 32196, 32198, 32199, 32200, 32204, 32205, 32206, 32209, 32211, 32213, 32214, 32216, 32217, 32219, 32221, 32223, 32226, 32231, 32235, 32236, 32238, 32240, 32241, 32244, 32245, 32246, 32247, 32250, 32251, 32257, 32259, 32260, 32262, 32264, 32266, 32268, 32269, 32270, 32271, 32273, 32274, 32275, 32276, 32279, 32280, 32281, 32283, 32285, 32287, 32288, 32289, 32291, 32292, 32294, 32303, 32304, 32308, 32309, 32310, 32311, 32312, 32316, 32319, 32322, 32323, 32328, 32331, 32333, 32336, 32337, 32338, 32340, 32341, 32342, 32345, 32348, 32349, 32351, 32355, 32356, 32359, 32361, 32364, 32366, 32368, 32373, 32375, 32376, 32381, 32382, 32383, 32386, 32387, 32390, 32391, 32394, 32396, 32401, 32402, 32405, 32411, 32412, 32421, 32424, 32428, 32434, 32436, 32437, 32438

N127 - Control unit "Drivetrain" (PTCU) -f-

| Model | Part number | Supplier | Version |
|---------------|---------------|-------------|-----------|
| Hardware | 000 901 59 21 | Continental | 21/28 000 |
| Software | 282 902 84 00 | Continental | 23/14 000 |
| Boot software | 000 904 22 03 | Continental | 21/31 000 |

| | | | |
|----------------------|--------|----------------------|-----------|
| Diagnosis identifier | 004B31 | Control unit variant | CPC3_R22B |
|----------------------|--------|----------------------|-----------|

| Fault | Text | Status | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--------------------------------|------------------|-----------------|-----------------|--------|--------|---|----------|----------|--|--------------|--------------|--|-------|-------|--|-----|-----|---|----|----|---------------------------------------|----|----|--|----|----|---|----|----|---|----|----|--|-----|-----|--|----|----|--|---|---|--|--------------------------------|--------------------------------|---|-----|-----|---|--------|--------|--|
| U11A600 | Communication with control unit 'Radar sensorics' has a malfunction. _ | S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table><tr><th>Name</th><th>First occurrence</th><th>Last occurrence</th></tr><tr><td>Battery voltage</td><td>15.13V</td><td>15.13V</td></tr><tr><td>Vehicle speed (Fahrzeuggeschwindigkeit_CAN)</td><td>0.00km/h</td><td>0.00km/h</td></tr><tr><td>Engine speed (Motordrehzahl_gefiltert)</td><td>753.00 1/min</td><td>753.00 1/min</td></tr><tr><td>Development data (Letzte_erkannte_PDUID_welche_an_Fehlerspeicher_uebergeben_wurde)</td><td>FF FF</td><td>FF FF</td></tr><tr><td>Development data (PNC_0_All_Active_active)</td><td>yes</td><td>yes</td></tr><tr><td>Development data (PNC_11_Real_Time_Monitoring_active)</td><td>no</td><td>no</td></tr><tr><td>Development data (PNC_15_FOTA_active)</td><td>no</td><td>no</td></tr><tr><td>Development data (PNC_18_HV_Charging_User_Interaction_settings_ST3_active)</td><td>no</td><td>no</td></tr><tr><td>PNC_19 POWER-DOWN Cooling ACTIVE (PNC_19_Afterrun_Cooling_active)</td><td>no</td><td>no</td></tr><tr><td>PNC_1 High-voltage battery BEING CHARGED (PNC_1_HV_Charging_active)</td><td>no</td><td>no</td></tr><tr><td>PNC_2 Charging mode of high-voltage battery 12V ACTIVE (PNC_2_Recharge_Mode_HV_12V_active)</td><td>yes</td><td>yes</td></tr><tr><td>PNC_3 Requirements ACTIVE (PNC_3_Preconditions_active)</td><td>no</td><td>no</td></tr><tr><td>Networking Status 'Bus OFF' (Vernetzung_BusOff_States)</td><td>0</td><td>0</td></tr><tr><td>Networking (Vernetzung_External_Access_Active)</td><td>Erase of failure memory active</td><td>Erase of failure memory active</td></tr><tr><td>Networking NM Statuses (Vernetzung_NM_States)</td><td>127</td><td>127</td></tr><tr><td>Networking System Operating statuses (Vernetzung_System_Operating_States)</td><td>50.00-</td><td>50.00-</td></tr></table> | Name | First occurrence | Last occurrence | Battery voltage | 15.13V | 15.13V | Vehicle speed (Fahrzeuggeschwindigkeit_CAN) | 0.00km/h | 0.00km/h | Engine speed (Motordrehzahl_gefiltert) | 753.00 1/min | 753.00 1/min | Development data (Letzte_erkannte_PDUID_welche_an_Fehlerspeicher_uebergeben_wurde) | FF FF | FF FF | Development data (PNC_0_All_Active_active) | yes | yes | Development data (PNC_11_Real_Time_Monitoring_active) | no | no | Development data (PNC_15_FOTA_active) | no | no | Development data (PNC_18_HV_Charging_User_Interaction_settings_ST3_active) | no | no | PNC_19 POWER-DOWN Cooling ACTIVE (PNC_19_Afterrun_Cooling_active) | no | no | PNC_1 High-voltage battery BEING CHARGED (PNC_1_HV_Charging_active) | no | no | PNC_2 Charging mode of high-voltage battery 12V ACTIVE (PNC_2_Recharge_Mode_HV_12V_active) | yes | yes | PNC_3 Requirements ACTIVE (PNC_3_Preconditions_active) | no | no | Networking Status 'Bus OFF' (Vernetzung_BusOff_States) | 0 | 0 | Networking (Vernetzung_External_Access_Active) | Erase of failure memory active | Erase of failure memory active | Networking NM Statuses (Vernetzung_NM_States) | 127 | 127 | Networking System Operating statuses (Vernetzung_System_Operating_States) | 50.00- | 50.00- | |
| Name | First occurrence | Last occurrence | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Battery voltage | 15.13V | 15.13V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vehicle speed (Fahrzeuggeschwindigkeit_CAN) | 0.00km/h | 0.00km/h | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Engine speed (Motordrehzahl_gefiltert) | 753.00 1/min | 753.00 1/min | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Development data (Letzte_erkannte_PDUID_welche_an_Fehlerspeicher_uebergeben_wurde) | FF FF | FF FF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Development data (PNC_0_All_Active_active) | yes | yes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Development data (PNC_11_Real_Time_Monitoring_active) | no | no | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Development data (PNC_15_FOTA_active) | no | no | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Development data (PNC_18_HV_Charging_User_Interaction_settings_ST3_active) | no | no | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PNC_19 POWER-DOWN Cooling ACTIVE (PNC_19_Afterrun_Cooling_active) | no | no | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PNC_1 High-voltage battery BEING CHARGED (PNC_1_HV_Charging_active) | no | no | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PNC_2 Charging mode of high-voltage battery 12V ACTIVE (PNC_2_Recharge_Mode_HV_12V_active) | yes | yes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PNC_3 Requirements ACTIVE (PNC_3_Preconditions_active) | no | no | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Networking Status 'Bus OFF' (Vernetzung_BusOff_States) | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Networking (Vernetzung_External_Access_Active) | Erase of failure memory active | Erase of failure memory active | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Networking NM Statuses (Vernetzung_NM_States) | 127 | 127 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Networking System Operating statuses (Vernetzung_System_Operating_States) | 50.00- | 50.00- | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Fault | Text | Status | |
|-------|--|-------------------------|------------------------|
| | Name | First occurrence | Last occurrence |
| | Networking System Operating time (Vernetzung_System_Operating_Timer) | 37273.00- | 37273.00- |
| | Total distance | 3088km | 3088km |
| | Operating time | 373825.98s | 373825.98s |
| | Operating cycle counter | --- | 0 |
| | Frequency counter | --- | 2 |

S=STORED

N118 - Control unit 'Fuel pump' (FSCU09)

-✓-

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|-----------------------|
| Hardware | 000 901 53 03 | Hella | 23/10 000 |
| Software | 000 902 57 91 | --- | 22/35 000 |
| Software | 000 903 78 74 | --- | 23/37 000 |
| Boot software | 000 904 32 00 | --- | 17/19 000 |
| Diagnosis identifier | 004509 | Control unit variant | FSCM_GEN5_R18BU1_C509 |

N3/10 - Motor electronics 'MRG5' for combustion engine 'M282M' (ME)

-i-

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|-----------|
| Hardware | 282 901 47 00 | Bosch | 21/35 000 |
| Software | 282 902 61 01 | Bosch | 24/31 000 |
| Software | 282 903 94 02 | Bosch | 24/31 000 |
| Boot software | 282 904 23 00 | Bosch | 21/12 000 |
| Diagnosis identifier | 005907 | Control unit variant | MRG5_R22B |

| Event | Text | Status | |
|---------|--|-------------------------|------------------------|
| U112081 | The security module of the control unit has detected a communication error. Incorrect data were received. | S | |
| | Name | First occurrence | Last occurrence |
| | Intake air temperature (Corrected value) (Ansauglufttemperatur_korrigiert) | 59.25°C | 60.00°C |
| | Intake air temperature (Model value) (Ansauglufttemperatur_mModellwert) | 59.94°C | 60.15°C |
| | Ambient temperature (Aussenlufttemperatur_tumg) | 30.46°C | 16.86°C |
| | Fuel temperature High pressure (Substitute value) (Kraftstofftemperatur_Hochdruck_mErsatzwert) | 0.00°C | 0.00°C |
| | Coolant temperature of low-temperature circuit (Substitute value) (Kuehlmitteltemperatur_Niedertemperatur_Kreislauf_mErsatzwert) | 60.00°C | 60.00°C |
| | Coolant temperature (Kuehlmitteltemperatur) | 60.50°C | 63.63°C |
| | High fuel pressure (Corrected value) (Kraftstoffdruck_Hochdruck_korrigiert) | 193.94bar | 314.24bar |
| | Low fuel pressure (Kraftstoffdruck_Niederdruck) | 6.00bar | 6.00bar |
| | Low fuel pressure (Specified value) (Kraftstoffdruck_Niederdruck_Sollwert) | 6.70bar | 6.70bar |
| | Boost pressure (Ladedruck_pvdr) | 1002.73hPa | 990.00hPa |
| | Boost pressure control (Specified value) (Ladedruckregelung_Sollwert) | 0.00hPa | 0.00hPa |
| | Intake air pressure downstream of air filter (Substitute value) (Luftdruck_nach_Luftfilter_Rechts_mErsatzwert) | 1003.25hPa | 990.25hPa |
| | B108 (Wide open throttle operation purging pressure sensor) (Absolute value) (Regenerierleitung_Druck_absolut) | 2016.21hPa | 2002.97hPa |
| | Intake manifold pressure (Specified value) (Saugrohrdruck_Sollwert) | 200.00hPa | 200.00hPa |
| | Intake manifold pressure (Filtered value) (Saugrohrdruck_gefiltert_plausibilisiert) | 1004.22hPa | 990.94hPa |
| | B4/49 (Fuel tank pressure sensor 2) (Tankdruck_vor_FTIV) | 0.00hPa | 0.00hPa |
| | Ambient pressure (Corrected value) (Umgebungsdruck_korrigiert) | 1003.24hPa | 990.00hPa |
| | Voltage 48 V battery (Batteriespannung_48V) | 48.00V | 46.00V |
| | Voltage at circuit 87/1 (Batteriespannung_Klemme87_1) | 12.52V | 12.52V |
| | Duty cycle of boost pressure positioner (Raw value) (Wastegate_Position_ROH) | 0.00V | 0.00V |
| | Drive position (Fahrstufe_erweitert) | 0 | 0 |
| | Kilometer reading (Kilometerstand_CAN) | -2.147483648E9km | -2.147483648E9km |

| Event | Text | | | Status |
|-------|---|------------------|-----------------|--------|
| | Name | First occurrence | Last occurrence | |
| | Relative fuel mass (Kraftstoffmasse_Relativ) | 0.00% | 0.00% | |
| | Specified lambda value (Lambda_Sollwert_Rechts) | 1.00 | 1.00 | |
| | Driving distance since activation of engine diagnosis indicator lamp (MIL_Fahrstrecke_Seit_MIL_An) | 0.00m | 0.00m | |
| | Engine torque (Motordrehmoment) | 0.00Nm | 0.00Nm | |
| | Engine torque (Relative value) (Motordrehmoment_relativ) | 0.00% | 0.00% | |
| | Engine speed (Motordrehzahl) | 0.00 1/min | 0.00 1/min | |
| | Engine load (Motorlast) | 95.41% | 94.08% | |
| | Position of exhaust camshaft (specified value) (NW_Winkel_Sollwert_Auslass_Rechts) | 0.00° | 0.00° | |
| | Position of intake camshaft (specified value) (NW_Winkel_Sollwert_Einlass_Rechts) | 0.00° | 0.00° | |
| | Position of exhaust camshaft (Nockenwellenwinkel_Auslass_Rechts) | 0.00° | 0.00° | |
| | Position of intake camshaft (Nockenwellenwinkel_Einlass_Rechts) | 0.00° | 0.00° | |
| | Lambda value upstream of CAT (O2_Sonde_Vor_Kat_Lambda_Rechts) | 1.00 | 1.00 | |
| | Fill level of engine oil (Oelfuellstand) | 18.00mm | 18.00mm | |
| | Y58/1 (Purging switchover valve) (Regenerierventil) | 0.00% | 0.00% | |
| | Duty cycle of boost pressure positioner (Wastegate_Position_ENV) | 0.00 | 0.00 | |
| | Fault freeze frame data for the development department (Drehzahlfassung_Betriebsmodus) | EPM_MODE_WAIT | EPM_MODE_WAIT | |
| | Fault freeze frame data for the development department (Drosselklappe_Winkel_Bezogen_auf_Unteren_Anschlag) | 0.00% | 0.00% | |
| | Fault freeze frame data for the development department (Einspritzsystem_Betriebsart) | HOM | HOM | |
| | Fault freeze frame data for the development department (Einspritzsystem_Einspritzart) | GDIOff | GDIOff | |
| | Fault freeze frame data for the development department (FTIV_Diagnose_Tankdruckdiff_waehrend_Regele) | 0.00hPa | 0.00hPa | |
| | Fault freeze frame data for the development department (Fehlerumgebungsdatsatz_01) | 1 | 1 | |
| | Fault freeze frame data for the development department (Gemischdaption_Additiv_Gemischkorrektur_Rechts) | 0.00% | 0.00% | |
| | Fault freeze frame data for the development department (Gemischdaption_Multiplikativ_Gemischkorrektur_Rechts) | 1.04 | 1.02 | |
| | Fault freeze frame data for the development department (Geschwindigkeit_PID0D) | 255 | 255 | |
| | Fault freeze frame data for the development department (Injektor_Aktortemperatur_Modellwert) | 60.00°C | 63.00°C | |
| | Fault freeze frame data for the development department (Lambdaregelfaktor_Mittelwert_Rechts) | 1.00 | 1.00 | |
| | Fault freeze frame data for the development department (Massenström_Grenzmasse) | 0.00kg/s | 0.00kg/s | |
| | Fault freeze frame data for the development department (Massenström_Nebenfuellungssignal_Korrektur_Faktor) | 1.03 | 1.01 | |
| | Fault freeze frame data for the development department (Massenström_Nebenfuellungssignal_Korrektur_Offset) | 0.00kg/s | 0.00kg/s | |
| | Fault freeze frame data for the development department (Motordrehmoment_Sollwert_aus_Momentenkoordination) | -10.31Nm | -10.06Nm | |
| | Fault freeze frame data for the development department (Motordrehmoment_Sollwert_relativ_aus_Momentenkoordination) | 0.00% | 0.00% | |
| | Fault freeze frame data for the development department (Motorkoordinator_Betriebsart_ENV) | 0 | 0 | |
| | Fault freeze frame data for the development department (Motorkoordinator_Motorzustand) | COENG_STANDBY | COENG_STANDBY | |
| | Fault freeze frame data for the development department (Motorkoordinator_Normalbetrieb_Dauer) | 0.00s | 0.00s | |
| | Fault freeze frame data for the development department (Motorkoordinator_Zuendung_ENV) | 0 | 0 | |
| | Fault freeze frame data for the development department (Motorstarttemperatur) Engine oil temperature (Engine start) | 60.46°C | 63.56°C | |
| | Fault freeze frame data for the development department (Motorzustand_Status1_ENV) | 0 | 0 | |

| Event | Text | | | Status |
|-------|--|------------------|-----------------|--------|
| | Name | First occurrence | Last occurrence | |
| | Fault freeze frame data for the development department (Motorzust and_Status2_ENV) | 0 | 0 | |
| | Fault freeze frame data for the development department (Oeltemperatur_mErsatzwert) Engine oil temperature (Substitute value) (Oeltemperatur_mErsatzwert) | 20.00°C | 20.00°C | |
| | Fault freeze frame data for the development department (Pedalwert_geber_PID4A) | 255 | 255 | |
| | Fault freeze frame data for the development department (Saugrohrdruck_PID0B) | 0E3bar | 0E3bar | |
| | Fault freeze frame data for the development department (Tankdruck_vor_FTIV_Diag_MaxDruckwert_InkrCheck) | 0.00hPa | 0.00hPa | |
| | Fault freeze frame data for the development department (Tankdruck_vor_FTIV_Diag_MinDruckwert_InkrCheck) | 0.00hPa | 0.00hPa | |
| | Fault freeze frame data for the development department (Tankdruck_vor_FTIV_Diag_Offset) | 0.00hPa | 0.00hPa | |
| | Fault freeze frame data for the development department (Tankdruck_differenz_DMTL_gefiltert) | 0.00hPa | 0.00hPa | |
| | Fault freeze frame data for the development department (Tankdruck_differenz_DMTL_korrigiert) | 0.00hPa | 0.00hPa | |
| | Fault freeze frame data for the development department (Tankfuellstand_relativ_OBD) | 0.00% | 0.00% | |
| | Fault freeze frame data for the development department (Tester_Aktiv_CAN) | 0 | 0 | |
| | Fault freeze frame data for the development department (Ueberwachung_Fehlerstatus_Einspritz_Eingriffe) | 0 | 0 | |
| | Fault freeze frame data for the development department (Ueberwachung_Fehlerstatus_Gemischkontrolle_Regelung) | 0 | 0 | |
| | Fault freeze frame data for the development department (Ueberwachung_Fehlerstatus_Gemischkontrolle) | 0 | 0 | |
| | Fault freeze frame data for the development department (Ueberwachung_Motormoment_Max_gefiltert) | 26.56% | 26.56% | |
| | Fault freeze frame data for the development department (Ueberwachung_Motormoment_Soil_CPC) | 0.00Nm | 0.00Nm | |
| | Fault freeze frame data for the development department (Wastegate_Anschlag_unten) | 1.32V | 1.33V | |
| | Fault freeze frame data for the development department (Wastegate_Soilhub_relativ) | 0.00 | 0.00 | |
| | Fault freeze frame data for the development department (Zuendwinkel_Modellreferenz_optimiert) | 0.00° | 0.00° | |
| | Fault freeze frame data for the development department (Zuendwinkelspaetverstellung_HWZyl1) | 0.00° | 0.00° | |
| | Fault freeze frame data for the development department (Zuendwinkelspaetverstellung_HWZyl2) | 0.00° | 0.00° | |
| | Fault freeze frame data for the development department (Zuendwinkelspaetverstellung_HWZyl3) | 0.00° | 0.00° | |
| | Fault freeze frame data for the development department (Zuendwinkelspaetverstellung_HWZyl4) | 0.00° | 0.00° | |
| | Fault freeze frame data for the development department (Zylinderfuehlung_relativ_Soilwert) | 12.00% | 12.00% | |
| | Operating cycle counter | --- | 6 | |
| | Operating time | 0.19s | 0.19s | |
| | Frequency counter | --- | 51 | |
| | Total distance | 672km | 3088km | |

S=STORED

G2/3 - Belt-driven starter alternator (BSA)

-✓-

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|-----------------|
| Hardware | 000 901 46 26 | Vitesco Technologies | 24/16 000 |
| Software | 000 902 53 97 | Vitesco Technologies | 24/18 000 |
| Software | 000 903 34 72 | Vitesco Technologies | 24/20 000 |
| Boot software | 000 904 48 04 | Vitesco Technologies | 24/16 000 |
| Diagnosis identifier | 000711 | Control unit variant | RSG48V2PT4_R23A |

N15/13 - Electronic transmission control for double-plate clutch transmission (DKG)

-✓-

| Model | Part number | Supplier | Version |
|----------------------|---------------|-------------------------------------|--------------------------------|
| Hardware | 000 901 58 10 | Bosch | 20/46 000 |
| Software | 700 902 42 00 | GETRAG / Magna Transmission Systems | 23/18 000 |
| Software | 700 903 88 00 | GETRAG / Magna Transmission Systems | 23/18 000 |
| Boot software | 700 904 10 00 | Bosch | 23/02 000 |
| Diagnosis identifier | 000270 | Control unit variant | TCM7DCT300_M2_App_22 A_D690 |

N162 - Ambiance light (AML)

-✓-

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|----------------------|
| Hardware | 167 901 24 04 | Delphi | 20/17 000 |
| Software | 177 902 33 22 | Delphi | 23/05 000 |
| Boot software | --- | --- | 15/28 000 |
| Diagnosis identifier | 00040A | Control unit variant | ALC213_ALC213_00040A |

N10 - Signal acquisition and actuation module (SAM)

-✓-

| Model | Part number | Supplier | Version |
|---|---------------|----------------------|-------------|
| Hardware | 247 901 92 01 | Continental | 19/19 003 |
| Software module 'Signal acquisition and actuation module' | 247 902 20 21 | Continental | 24/04 000 |
| Boot software | --- | --- | 19/23 000 |
| Diagnosis identifier | 001118 | Control unit variant | BCMFA2_R_30 |

A67 - Dimming inside rearview mirror (AISP)

-✓-

LIN-Master: N10 - Signal acquisition and actuation module (SAM)

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|-----------------------|
| Hardware | 247 810 32 11 | --- | 23/18 000 |
| Diagnosis identifier | 000100 | Control unit variant | EC213_Variante_000100 |

B95 - Battery sensor (BSN)

-✓-

LIN-Master: N10 - Signal acquisition and actuation module (SAM)

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|----------------------|
| Hardware | 000 905 38 16 | Hella | 19/47 000 |
| Diagnosis identifier | 000201 | Control unit variant | IBS177_Variante_0200 |

N70 - Control unit 'Overhead control panel' (OCP)

-✓-

LIN-Master: N10 - Signal acquisition and actuation module (SAM)

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|---------------------|
| Hardware | 000 900 16 39 | Valeo | 20/29 001 |
| Diagnosis identifier | 000E10 | Control unit variant | OHCM177_Diag_000E10 |

B38/2 - Rain/light sensor (RGLS)

-✓-

LIN-Master: N10 - Signal acquisition and actuation module (SAM)

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|-----------------|
| Hardware | 247 900 84 17 | Hella | 20/41 000 |
| Diagnosis identifier | 000011 | Control unit variant | VCS177_0x000011 |

M6/1 - Windshield wiper (FSW)

-✓-

LIN-Master: N10 - Signal acquisition and actuation module (SAM)

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|----------------|
| Hardware | 247 820 12 01 | Valeo | 18/18 000 |
| Diagnosis identifier | 000A10 | Control unit variant | WPRA167_000002 |

N83/12 - DC/DC converter (DDW)

-✓-

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|--------------------|
| Hardware | 000 901 28 22 | BorgWarner | 22/37 000 |
| Software | 001 902 35 11 | BorgWarner | 24/07 000 |
| Boot software | --- | --- | 21/50 000 |
| Diagnosis identifier | 000509 | Control unit variant | DCDC48_177PT4_R22A |

N73 - Electronic ignition lock (EZS)

-✓-

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|--------------------|
| Hardware | 167 901 37 08 | Continental | 21/14 002 |
| Software | 167 902 06 19 | Continental | 24/05 041 |
| Software | 000 000 00 00 | Hella | 21/20 071 |
| Software | 000 000 00 00 | Hella | 21/20 071 |
| Software | 000 000 00 00 | Continental | 20/17 000 |
| Boot software | --- | --- | 20/17 000 |
| Diagnosis identifier | 00C028 | Control unit variant | EZS167_MOPF_Rel_10 |

N179 - Hand detection system (HE)

-✓-

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|--------------|
| Hardware | 000 901 15 22 | IEE | 21/25 000 |
| Software | 000 902 21 89 | IEE | 22/34 000 |
| Boot software | --- | --- | 21/25 000 |
| Diagnosis identifier | 000105 | Control unit variant | HOSWD213_R7A |

G1/3 - 48-V on-board electrical system battery (48 V LIB)

-✓-

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|--------------------------------|
| Hardware | 000 901 35 26 | Bosch | 24/42 000 |
| Software | 001 902 04 24 | Bosch | 25/12 000 |
| Software | 000 903 88 78 | Bosch | 25/12 000 |
| Boot software | 000 904 57 07 | Bosch | 25/12 000 |
| Diagnosis identifier | 00050A | Control unit variant | LIB48_177PT4_Applikation_21B_2 |

N2/10 - Supplemental restraint system (SRS)

-✓-

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|---------------|
| Hardware | 247 901 85 04 | Bosch | 23/11 000 |
| Software | 177 902 86 26 | Bosch | 23/51 000 |
| Software | 247 903 09 04 | Bosch | 22/35 000 |
| Software | 167 903 81 05 | Bosch | 20/43 000 |
| Boot software | 177 904 89 01 | Bosch | 21/31 000 |
| Diagnosis identifier | 000103 | Control unit variant | ORC177_000103 |

N110 - Weight sensing system (WSS)

-✓-

LIN-Master: N2/10 - Supplemental restraint system (SRS)

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|-------------------------|
| Hardware | 000 820 83 05 | Delphi | 15/48 000 |
| Diagnosis identifier | 000308 | Control unit variant | OCM177_D2_Muster_000308 |

E1n12 - Left headlamp (SG-SW-L)

-✓-

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|---------------|
| Hardware | 247 901 85 02 | Automotive Lighting | 18/23 000 |
| Boot software | --- | --- | 18/14 000 |
| Diagnosis identifier | 008605 | Control unit variant | PLI247_FL_R_6 |

E2n12 - Right headlamp (SG-SW-R) -✓-

| Model | Part number | Supplier | Version |
|-------------------------------------|-------------------------------|----------------------|---------------|
| Hardware | 247 901 86 02 | Automotive Lighting | 18/23 000 |
| Software | 247 902 05 09 | Automotive Lighting | 20/22 000 |
| Boot software | --- | --- | 18/14 000 |
| Diagnosis identifier | 008605 | Control unit variant | PLI247_FR_R_6 |
| Manufacturer-specific serial number | 32 34 31 31 30 35 30 34 34 39 | | |

A76 - Left front reversible emergency tensioning retractor (RevETR-LF) -✓-

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|----------------|
| Hardware | 167 901 41 02 | TAKATA-PETRI | 17/34 000 |
| Software | 167 902 12 03 | TAKATA-PETRI | 18/14 000 |
| Boot software | --- | --- | 17/25 000 |
| Diagnosis identifier | 008109 | Control unit variant | RBTMFL167_D010 |

A76/1 - Right front reversible emergency tensioning retractor (RevETR-RF) -✓-

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|----------------|
| Hardware | 167 901 40 02 | TAKATA-PETRI | 17/34 000 |
| Software | 167 902 12 03 | TAKATA-PETRI | 18/14 000 |
| Boot software | --- | --- | 17/25 000 |
| Diagnosis identifier | 008109 | Control unit variant | RBTMFR167_D010 |

N80 - Steering column module (SCM) -✓-
N70/1 - Control module 'Panoramic sliding roof' (PSD) -✓-

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|-----------------------|
| Hardware | 247 901 19 02 | Webasto | 17/44 000 |
| Software | 167 902 55 09 | Webasto | 20/47 000 |
| Boot software | --- | --- | 17/44 000 |
| Diagnosis identifier | 005025 | Control unit variant | SCU_TSSR167_MASD_R1 3 |

N135 - Steering wheel electronics (LRE) -✓-

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|------------------------|
| Hardware | 099 901 08 03 | Kostal | 21/17 000 |
| Software | 099 902 63 00 | Kostal | 22/18 000 |
| Boot software | --- | --- | 21/05 001 |
| Diagnosis identifier | 000400 | Control unit variant | SWSP223_R25_MFA2_MO PF |

N26/6 - ATA [EDW]/tow-away protection/interior protection (ATA) -✓-

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|----------------------|
| Hardware | 177 901 22 04 | Valeo | 19/17 000 |
| Software | 177 902 51 11 | Valeo | 19/17 000 |
| Boot software | --- | --- | 19/17 000 |
| Diagnosis identifier | 000E09 | Control unit variant | VT177__000E09_Rel_14 |

H3/1 - Alarm siren (AS) -✓-

| LIN-Master: N26/6 - ATA [EDW]/tow-away protection/interior protection (ATA) | | | |
|---|---------------|----------------------|----------------------|
| Model | Part number | Supplier | Version |
| Hardware | 223 900 59 36 | MetaSystem | 20/09 000 |
| Boot software | --- | --- | 18/12 000 |
| Diagnosis identifier | 000604 | Control unit variant | SIREN222_Diag_000604 |

B92/10 - Left rear short range radar (NBR-LR) -✓-

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|-------------------------------|
| Hardware | 000 901 27 22 | Veoneer | 20/50 000 |
| Software | 000 902 56 88 | Veoneer | 20/52 000 |
| Boot software | --- | --- | 20/50 000 |
| Diagnosis identifier | 008A07 | Control unit variant | IMMR223_RL_App_Star2_0x008A07 |

B92/7 - Right rear short range radar (NBR-RR) -✓-

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|-------------------------------|
| Hardware | 000 901 27 22 | Veoneer | 20/50 000 |
| Software | 000 902 56 88 | Veoneer | 20/52 000 |
| Boot software | --- | --- | 20/50 000 |
| Diagnosis identifier | 008A07 | Control unit variant | IMMR223_RR_App_Star2_0x008A07 |

A40/11 - Multifunction camera (MFK) -i-

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|---------------------|
| Hardware | 177 901 13 09 | LG Electronics | 23/35 000 |
| Software | 177 902 42 24 | LG Electronics | 24/28 000 |
| Boot software | 177 904 51 02 | LG Electronics | 24/28 000 |
| Diagnosis identifier | 008357 | Control unit variant | MMPC206_AppI_008357 |

| Event | Text | Status | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|-------------------------|------------------|-----------------|------------------|-------------------------|-------------------------|-----------------------------|-----------|-----------|---------------|----------|----------|-------------------------------|---------|---------|----------------------|--------|--------|--------------------------------|--------|--------|--|--------|--------|---------------------|---------|---------|----------------------|----------------------|----------------------|----------------------|-----|-----|--------------------------|-------|-------|--------------------------|-----|-----|--------------------------|------|------|--------------------------|-------|-------|--------------------------|----|----|---------------------------|--------|--------|----------------------------|-------------|-------------|---------------------|------------|------------|-------------------|-----|---|----------------|-----------|-----------|--|-----|---|----------------|-------------|-------------|--|
| U013129 | Communication with control unit "Power steering" has a malfunction. There is an invalid signal. | A+S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table> <tr> <th>Name</th><th>First occurrence</th><th>Last occurrence</th></tr> <tr> <td>System condition</td><td>MPC_SYSTEM_STATE_NORMAL</td><td>MPC_SYSTEM_STATE_NORMAL</td></tr> <tr> <td>Status of combustion engine</td><td>IDLE_STBL</td><td>IDLE_STBL</td></tr> <tr> <td>Vehicle speed</td><td>0.00km/h</td><td>0.00km/h</td></tr> <tr> <td>Temperature of microprocessor</td><td>47.00°C</td><td>47.00°C</td></tr> <tr> <td>Status of drivetrain</td><td>PT_RDY</td><td>PT_RDY</td></tr> <tr> <td>Voltage supply of control unit</td><td>14.69V</td><td>14.69V</td></tr> <tr> <td>Voltage of 12 V on-board electrical system</td><td>15.00V</td><td>15.00V</td></tr> <tr> <td>Outside temperature</td><td>42.00°C</td><td>42.00°C</td></tr> <tr> <td>Vehicle acceleration</td><td>0.00m/s²</td><td>0.00m/s²</td></tr> <tr> <td>System recovery time</td><td>255</td><td>255</td></tr> <tr> <td>Status of function 'LDP'</td><td>ERROR</td><td>ERROR</td></tr> <tr> <td>Status of function 'FCW'</td><td>DEF</td><td>DEF</td></tr> <tr> <td>Status of function 'IHC'</td><td>ACTV</td><td>ACTV</td></tr> <tr> <td>Status of function 'TSA'</td><td>READY</td><td>READY</td></tr> <tr> <td>Status of function 'ABA'</td><td>OK</td><td>OK</td></tr> <tr> <td>Status of function 'APTR'</td><td>DEFECT</td><td>DEFECT</td></tr> <tr> <td>Status of auxiliary heater</td><td>Heating OFF</td><td>Heating OFF</td></tr> <tr> <td>Internal fault code</td><td>0x30102030</td><td>0x30102030</td></tr> <tr> <td>Frequency counter</td><td>---</td><td>1</td></tr> <tr> <td>Total distance</td><td>3088.00km</td><td>3088.00km</td></tr> <tr> <td>Number of ignition cycles since the last occurrence of the fault</td><td>---</td><td>0</td></tr> <tr> <td>Operating time</td><td>224348432ms</td><td>224348432ms</td></tr> </table> | Name | First occurrence | Last occurrence | System condition | MPC_SYSTEM_STATE_NORMAL | MPC_SYSTEM_STATE_NORMAL | Status of combustion engine | IDLE_STBL | IDLE_STBL | Vehicle speed | 0.00km/h | 0.00km/h | Temperature of microprocessor | 47.00°C | 47.00°C | Status of drivetrain | PT_RDY | PT_RDY | Voltage supply of control unit | 14.69V | 14.69V | Voltage of 12 V on-board electrical system | 15.00V | 15.00V | Outside temperature | 42.00°C | 42.00°C | Vehicle acceleration | 0.00m/s ² | 0.00m/s ² | System recovery time | 255 | 255 | Status of function 'LDP' | ERROR | ERROR | Status of function 'FCW' | DEF | DEF | Status of function 'IHC' | ACTV | ACTV | Status of function 'TSA' | READY | READY | Status of function 'ABA' | OK | OK | Status of function 'APTR' | DEFECT | DEFECT | Status of auxiliary heater | Heating OFF | Heating OFF | Internal fault code | 0x30102030 | 0x30102030 | Frequency counter | --- | 1 | Total distance | 3088.00km | 3088.00km | Number of ignition cycles since the last occurrence of the fault | --- | 0 | Operating time | 224348432ms | 224348432ms | |
| Name | First occurrence | Last occurrence | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| System condition | MPC_SYSTEM_STATE_NORMAL | MPC_SYSTEM_STATE_NORMAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Status of combustion engine | IDLE_STBL | IDLE_STBL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vehicle speed | 0.00km/h | 0.00km/h | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Temperature of microprocessor | 47.00°C | 47.00°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Status of drivetrain | PT_RDY | PT_RDY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Voltage supply of control unit | 14.69V | 14.69V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Voltage of 12 V on-board electrical system | 15.00V | 15.00V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Outside temperature | 42.00°C | 42.00°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Vehicle acceleration | 0.00m/s ² | 0.00m/s ² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| System recovery time | 255 | 255 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Status of function 'LDP' | ERROR | ERROR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Status of function 'FCW' | DEF | DEF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Status of function 'IHC' | ACTV | ACTV | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Status of function 'TSA' | READY | READY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Status of function 'ABA' | OK | OK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Status of function 'APTR' | DEFECT | DEFECT | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Status of auxiliary heater | Heating OFF | Heating OFF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Internal fault code | 0x30102030 | 0x30102030 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Frequency counter | --- | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total distance | 3088.00km | 3088.00km | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Number of ignition cycles since the last occurrence of the fault | --- | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operating time | 224348432ms | 224348432ms | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

A+S=CURRENT and STORED

A108 - Midrange radar (MRR) -✓-

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|---------------------|
| Hardware | 000 901 40 34 | Bosch | 24/48 000 |
| Software | 001 902 19 12 | Bosch | 24/14 000 |
| Boot software | 000 904 67 03 | Bosch | 20/51 000 |
| Diagnosis identifier | 000313 | Control unit variant | MRR223_App_0x000313 |

N62 - Parking system (PARK) -✓-

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|-------------------------|
| Hardware | 000 901 61 20 | Bosch | 21/28 010 |
| Software | 001 902 98 10 | Bosch | 24/12 011 |
| Software | 000 903 05 76 | Bosch | 24/12 020 |
| Boot software | 000 904 07 03 | Bosch | 21/28 001 |
| Diagnosis identifier | 00314B | Control unit variant | PARK213M_Appl_0x00314 B |

N88 - Tire pressure monitor (TPM) -✓-

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|-----------------------|
| Hardware | 000 901 45 11 | HuF | 18/48 000 |
| Software | 000 902 95 48 | HuF | 19/08 000 |
| Boot software | --- | --- | 17/36 000 |
| Diagnosis identifier | 002003 | Control unit variant | TPMMFA2_Ser_PAL2_2003 |

N68 - Electrical power steering (ES) -✓-

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|---------------------|
| Hardware | 247 901 52 00 | JTEKT | 20/04 004 |
| Software | 247 902 92 18 | JTEKT | 23/26 000 |
| Boot software | --- | --- | 20/04 000 |
| Diagnosis identifier | 00B20D | Control unit variant | EPS_MFA2_R13_Series |

N30/4 - Electronic stability program (ESP®) -✓-

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|---------------------------|
| Hardware | 177 901 80 05 | Bosch | 21/17 000 |
| Software | 177 902 79 28 | Bosch | 24/12 000 |
| Boot software | --- | --- | 21/17 000 |
| Diagnosis identifier | 000E21 | Control unit variant | ESP177_000E21_Application |

N51/5 - Adaptive damping system (ADS) -✓-

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|------------------------------|
| Hardware | 247 901 94 02 | Kostal | 18/17 000 |
| Software | 247 902 11 06 | Kostal | 19/41 000 |
| Software | 247 903 56 01 | Mercedes-Benz AG | 19/41 000 |
| Boot software | 247 904 07 00 | Kostal | 17/46 000 |
| Diagnosis identifier | 003305 | Control unit variant | SPC_MFA2_Production_0x003305 |

A40/16 - Display cluster 'Instrument cluster and head unit' (ZAN) -✓-

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|---------------------|
| Hardware | 177 901 04 09 | Mitsubishi Electric | 23/30 000 |
| Software | 177 902 22 24 | Mitsubishi Electric | 23/30 000 |
| Boot software | 177 904 26 02 | Mitsubishi Electric | 22/15 000 |
| Diagnosis identifier | 008601 | Control unit variant | DISP7S2_MFA2MOPF_02 |

N112/9 - Control unit for telematics services (HERMES) -✓-

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|--------------------------------|
| Hardware | 238 901 89 00 | Harman / Becker | 22/17 000 |
| Software | 238 902 24 09 | Harman / Becker | 23/31 000 |
| Software | 001 902 66 01 | Mercedes-Benz AG | 23/36 001 |
| Software | 000 902 97 72 | Mercedes-Benz AG | 22/11 002 |
| Boot software | --- | --- | 23/31 000 |
| Diagnosis identifier | 000A10 | Control unit variant | HERMES_Hermes_Gen_3_0_FreshUp3 |

A26/17 - MBUX multimedia system (Head unit) -✓-

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|-----------------|
| Hardware | 167 901 06 08 | Harman / Becker | 22/34 000 |
| Software | 297 902 41 14 | Harman / Becker | 24/44 054 |
| Software | 297 902 42 14 | Harman / Becker | 24/44 054 |
| Software | 297 902 46 14 | Harman / Becker | 24/44 054 |
| Software | 247 903 14 05 | Harman / Becker | 23/23 022 |
| Software | 247 903 69 04 | Harman / Becker | 23/07 000 |
| Software | 247 903 98 03 | Harman / Becker | 23/03 000 |
| Software | 247 902 64 23 | Mercedes-Benz AG | 24/46 000 |
| Software | 297 903 22 04 | Harman / Becker | 24/44 054 |
| Software | 297 902 47 14 | Harman / Becker | 24/44 054 |
| Boot software | 297 904 05 01 | Harman / Becker | 24/44 054 |
| Diagnosis identifier | 000288 | Control unit variant | HU7_HU7S2_Mid_8 |

A40/12 - Head-up display -✓-

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|-----------------------|
| Hardware | 247 901 43 03 | Continental | 19/25 000 |
| Software | 177 902 61 13 | Continental | 19/38 000 |
| Software | 177 903 28 04 | Continental | 19/38 000 |
| Boot software | --- | --- | 18/18 000 |
| Diagnosis identifier | 001205 | Control unit variant | HUD177_X247_E8_Muster |

N133/1 - Instrument cluster (IC) -✓-

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|----------------|
| Hardware | 177 901 16 04 | Visteon | 22/31 000 |
| Software | 177 902 73 26 | Visteon | 24/38 014 |
| Software | 177 902 74 26 | Visteon | 24/38 014 |
| Software | 177 902 75 26 | Visteon | 24/38 014 |
| Software | 177 902 76 26 | Visteon | 24/38 014 |
| Software | 247 903 44 03 | Visteon | 22/31 011 |
| Software | 177 902 77 26 | Visteon | 24/38 014 |
| Boot software | 177 904 56 02 | Visteon | 24/38 014 |
| Diagnosis identifier | 005C0C | Control unit variant | IC177M_IC_E212 |

A105 - Touchpad (TPAD) -✓-

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|---------------------|
| Hardware | 247 901 77 04 | PREH | 21/31 000 |
| Software | 247 902 51 17 | PREH | 23/10 001 |
| Boot software | --- | --- | 22/14 000 |
| Diagnosis identifier | 00800B | Control unit variant | TPAD6M_UBFMF_DEV_01 |

N123/8 - Mobile phone cradle for driver's side (MTAS-D) -✓-

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|------------------------------|
| Hardware | 177 901 15 06 | Molex | 21/23 001 |
| Software | 177 902 94 22 | Molex | 23/16 001 |
| Boot software | 177 904 02 02 | Molex | 20/46 099 |
| Diagnosis identifier | 000323 | Control unit variant | WMI213MOPF_VnoTelAnt03_MOLEX |

N10*1 - Signal acquisition and actuation module - Automatic climate control (SAM) -✓-

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|--------------|
| Hardware | 247 901 92 01 | Continental | 19/19 003 |
| Software | 247 902 21 21 | Continental | 24/04 000 |
| Diagnosis identifier | 001033 | Control unit variant | HVAC177_R_30 |

N69/1 - Left front door (DCU-LF) -✓-

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|---------------------|
| Hardware | 177 901 39 07 | Temic | 21/38 000 |
| Software | 177 902 05 24 | Temic | 23/10 000 |
| Boot software | --- | --- | 21/41 000 |
| Diagnosis identifier | 008510 | Control unit variant | DMFL177_DM177_Rel29 |

N69/3 - Left rear door (DCU-LR) -✓-

| LIN-Master: N69/1 - Left front door (DCU-LF) | | | |
|--|---------------|----------------------|---------------------|
| Model | Part number | Supplier | Version |
| Hardware | 177 901 43 07 | Temic | 21/38 000 |
| Software | 177 902 06 24 | Temic | 23/10 000 |
| Boot software | --- | --- | 22/10 000 |
| Diagnosis identifier | 008510 | Control unit variant | DMRL177_DM177_Rel29 |

N69/2 - Right front door (DCU-RF) -✓-

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|---------------------|
| Hardware | 177 901 42 07 | Temic | 21/38 000 |
| Software | 177 902 05 24 | Temic | 23/10 000 |
| Boot software | --- | --- | 21/41 000 |
| Diagnosis identifier | 008510 | Control unit variant | DMFR177_DM177_Rel29 |

N69/4 - Right rear door (DCU-RR) -✓-

| LIN-Master: N69/2 - Right front door (DCU-RF) | | | |
|---|---------------|----------------------|---------------------|
| Model | Part number | Supplier | Version |
| Hardware | 177 901 43 07 | Temic | 21/38 000 |
| Software | 177 902 06 24 | Temic | 23/10 000 |
| Boot software | --- | --- | 22/10 000 |
| Diagnosis identifier | 008510 | Control unit variant | DMRR177_DM177_Rel29 |

N121/1 - Tailgate control (HKS) -✓-

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|---------------------------|
| Hardware | 247 901 09 00 | Delphi | 17/08 000 |
| Software | 247 902 23 04 | Delphi | 18/22 005 |
| Boot software | --- | --- | 17/12 003 |
| Diagnosis identifier | 000802 | Control unit variant | PTCM167_ARWT167_ID00 0802 |

N32/1 - Electrical seat adjustment 'Driver' with memory function (ESA 'Driver') -✓-

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|----------------------|
| Hardware | 247 901 88 00 | Conti Temic | 17/05 000 |
| Software | 247 903 66 02 | Conti Temic | 20/30 000 |
| Software | 247 902 81 10 | Conti Temic | 20/30 000 |
| Boot software | --- | --- | 17/05 001 |
| Diagnosis identifier | 000107 | Control unit variant | SEATD167_Rel7_000107 |

N32/2 - Electrical seat adjustment 'Front passenger' with memory function (ESA 'Front passenger') -✓-

| Model | Part number | Supplier | Version |
|----------------------|---------------|----------------------|----------------------|
| Hardware | 247 901 01 00 | Conti Temic | 17/05 000 |
| Software | 247 903 66 02 | Conti Temic | 20/30 000 |
| Software | 247 902 82 10 | Conti Temic | 20/30 000 |
| Boot software | --- | --- | 17/05 001 |
| Diagnosis identifier | 000107 | Control unit variant | SEATP167_Rel7_000107 |