

## **MERCEDES BENZ ACTROS, ATEGO ,AXOR TRUCK FULL FAULT CODES LIST**

### **MERCEDS TRUCK FAULT CODE LIST BRAKING SYSTEM CONTROL UNIT (BS)**

- 0160 Communication between the data on the CAN bus of the car has a fault
- 0162 Speed signal via the CAN bus from the tachograph has a fault
- 0163 Short circuit or open circuit CAN cable
- 0166 signal via the CAN bus from the traffic control NR control unit is missing or malfunction
- 0167 CAN bus signal from the motion control unit GS controller is missing or malfunction
- 0168 signal via the CAN bus from the traffic control FR control unit is missing or malfunction
- 0169 CAN bus signal from control unit INS tool is missing or has a fault
- 0170 CAN bus signal from the retarder control unit is missing or has a fault
- 0260 CAN signal to the trailer has a fault
- 0263 CAN signal to the trailer is broken
- 0275 Bus CAN-High on a trailer has a fault
- 0276 Bus CAN-Low on the trailer has a fault
- 0300 CAN bus braking system has a fault
- 0360 CAN bus braking system has a fault
- 0363 CAN bus braking system is broken
- 1001 High voltage at terminal 15
- 1002 Undervoltage or faulty contact on the terminals 15, 30a and 30b
- BS 1010 control unit is faulty anti-lock system
- 1011 BS faulty anti-lock control unit
- 1012 control unit BS-lock system incorrectly parameterized
- 1014 EPS (BS) defective control unit

1094 Different size tires on the car  
1102 Undervoltage or faulty contact in the terminal 30a  
1103 Terminal 30a is open  
1202 Undervoltage or faulty contact in the terminal 30b  
1203 Terminal 30b is open  
1302 Undervoltage or faulty contact in the terminal 15  
1404 power sensor voltage cable "24V" is a short to ground  
1405 power sensor voltage cable "24V" has short to positive  
1505 BS unit management has short to positive output X2 15/7

OR

Power cable voltage modulator axle load has short to positive  
1604 BS unit management has a short to ground on the output X2 15/15  
1605 BS unit management has short to positive output X2 15/15  
2003 ASR solenoid valve is open  
2004 ASR solenoid valve is shorted to ground  
2005 Solenoid valve ASR has a short circuit to positive  
Disabling the ASR 2012 incorrectly parameterized  
2103 trailer off: the output is open

2104 trailer off: the output is shorted to ground  
2105 trailer off: output has short to positive  
2112 Output "Disabling trailer" incorrectly parameterized  
2203 overpressure valve is open  
2204 overpressure valve has a short to ground  
2205 overpressure valve has a short circuit to positive  
Overpressure valve 2291: overpressure maintained  
2303 pressure limitation valve is open  
2304 pressure relief valve has a short to ground  
2305 pressure relief valve has a short circuit to positive  
3020 ABS solenoid valve at right front axle has broken on track 3  
3021 ABS solenoid valve at right front axle has short to earth on track 3

- 3022 ABS solenoid valve at right front axle has a short circuit to positive at pin 3
- 3023 ABS solenoid valve at right front axle has an open on pin 2
- 3026 ABS solenoid valve at right front axle has broken on track 1
- 3027 ABS solenoid valve at right front axle has a short to ground on pin 1
- 3028 ABS solenoid valve at right front axle has short to positive on track 1
- 3029 ABS solenoid valve at right front axle has a third-party agitation
- 3120 ABS solenoid valve at left front axle has broken on track 3
- 3121 ABS solenoid valve at left front axle has short to earth on track 3
- 3122 ABS solenoid valve at left front axle has a short circuit to positive at pin 3
- 3123 ABS solenoid valve at left front axle has an open on pin 2
- 3126 ABS solenoid valve at left front axle has broken on track 1
- 3127 ABS solenoid valve at left front axle has a short to ground on pin 1
- 3128 ABS solenoid valve at left front axle has short to positive on track 1
- 3129 ABS solenoid valve on the front axle has a left side of the field
- 3604 ABS solenoid valve at right front axle and on the rear axle on the left has a short to ground  
on pin 2
- 3605 ABS solenoid valve on the front axle on the right and on the left side of the rear axle has short to positive  
on pin 2
- 4040 Speed sensor at right front axle has broken
- 4041 Speed sensor at right front axle has Short to Ground
- 4042 Speed sensor at right front axle has Short to Plus
- 4044 Speed sensor at right front axle has interturn fault
- 4045 The pole wheel on the front axle on the right has a defect
- 4046 Speed sensor at right front axle provides noise (crackling)
- 4047 The pole wheel on the front axle on the right reeling in hard place
- 4048 Speed sensor at right front axle has an air gap
- 4049 wheel speed on the speed sensor "Front axle right" not credible
- 4140 Speed sensor at left front axle has broken
- 4141 Speed sensor at left front axle has Short to Ground

- 4142 Speed sensor at left front axle has Short to Plus
- 4144 Speed sensor at left front axle has interturn fault
- 4145 The pole wheel on the front axle on the left has a defect
- 4146 Speed sensor at left front axle provides noise (crackling)
- 4147 The pole wheel on the front axle left reeling in the persistent location
- 4148 Speed sensor at left front axle has an air gap
- 4149 wheel speed on the speed sensor "Front axle left" not credible
- 4240 Speed sensor at right rear axle has broken
- 4241 Speed sensor at right rear axle has Short to Ground
- 4242 Speed sensor at right rear axle has short to positive
- 4244 Speed sensor at right rear axle has interturn fault
- 4245 The pole wheel on the rear axle on the right has a defect
- 4246 Speed sensor at right rear axle produces noise (crackling)
- 4247 The pole wheel at the rear right side reeling in hard place
- 4248 Speed sensor at right rear axle has an air gap
- 4249 wheel speed sensor to speed "on the right rear axle" are not reliable
- 4340 Speed sensor at left rear axle has broken
- 4341 Speed sensor at left rear axle has Short to Ground
- 4342 Speed sensor at left rear axle has Short to Plus
- 4344 Speed sensor at left rear axle has interturn fault
- 4345 The pole wheel on the rear axle on the left has a defect
- 4346 Speed sensor at left rear axle produces noise (crackling)
- 4347 The pole wheel on the rear axle left reeling in the persistent location
- 4348 Speed sensor at left rear axle has an air gap
- 4349 wheel speed on the speed sensor "Rear axle left" not credible
- 5042 wear sensor Brake pad right on the front axle has short to positive
- 5043 wear sensor Brake pad right on the front axle has no signal
- 5142 Wear indicators for brake pads on the front axle on the left has a short circuit to positive
- 5143 Wear indicators for brake pads on the front axle left no signal
- 5204 wear sensor supply cable brake pads on the front axle has a short to ground

5205 wear sensor supply cable brake pads on the front axle has short to positive  
5342 Wear indicators for brake pads of the rear axle on the right has short to positive  
5343 Wear indicators for brake pads of the rear axle on the right there is no signal  
5442 Wear indicators for brake pads on the left rear axle has Short to Plus  
5443 Wear indicators for brake pads on the rear axle left no signal  
5504 wear sensor power cable, brake pad on the rear axle is a short to ground  
5506 wear sensor power cable, brake pad on the rear axle has short to positive  
6000 sensor is faulty brake pedal  
6092 Sensor brake pedal: the signal contains a fault  
6140 Switch braking K1: signal has a break  
6141 Switch braking K1: signal has Short to Ground  
6240 Switch Brake K2: signal has a break  
6241 Switch Brake K2: signal has Short to Ground  
6341 brake pedal sensor K1: pedal position is a short to ground  
6343 Sensor K1 brake pedal: the pedal position no signal  
6441 brake pedal sensor K2: pedal position is a short to ground  
6443 K2 Sensor brake pedal: the pedal position no signal  
7000 The proportional relay valve is faulty  
7096 The proportional relay valve is invalid parameter pressure  
7104 Proportional relay valve has a short to ground in the contact X4 12/1  
7105 Proportional relay valve has a short circuit to plus contact X4 12/1  
7106 Power cable voltage proportional relay valve is open  
7107 Proportional relay valve has a short to ground in the contact X4 12/2  
7108 Proportional relay valve has a short circuit to plus contact X4 12/2  
7109 The proportional relay valve is open 12/1 at the terminals X4 and X4 12/2  
7129 Proportional relay valve has a third-party agitation  
7242 Proportional relay valve: pressure sensor has short to positive  
7243 Proportional relay valve: pressure sensor has an open circuit, no signal or short closing  
7300 Modulator axle axle load faulty  
7313 Modulator axial loads: it sets the wrong type of modulator

7314 Modulator axial loads produces unreliable data

7364 Data transmission via CAN bus braking system has a fault

7365 Data transfer between the modulator and electronics FDR has a fault

7392 Modulator axial loads: Signal equalization includes a fault

7395 Modulator axial loads: auxiliary pressure regulator

7500 trailer control valve is faulty

7512 trailer control valve incorrectly parameterized

7596 trailer control valve has a pressure setting invalid

7604 trailer control valve has a short to ground in the contact X2 15/10

7605 trailer control valve has a short circuit to plus contact X2 15/10

7606 voltage power cable trailer control valve is open

7607 trailer control valve has a short to ground in the contact X2 15/11

7608 trailer control valve has a short circuit to plus contact X2 15/11

7609 trailer control valve is open to a lot of contact on X2 X2 15/10 or 15/11

7629 trailer control valve has a third-party agitation

7742 trailer control valve: pressure sensor has short to positive

7743 trailer control valve: pressure sensor has an open circuit, no signal or short circuit

8090 brake circuit on the rear axle: an overpressure unreliable

8193 wheel brakes excessively thermally loaded.

9002 Electronics FDR has a reduced voltage at terminal X2 15/15

9010 Electronics FDR faulty

9011 Electronics FDR faulty

9012 Electronics FDR incorrectly parameterized in control unit BS

9013 is not installed correctly electronics FDR

9051 Electronics FDR has incorrect installation location

9052 The reconciliation process is not completed FDR electronics

9064 Communication between CAN buses brake system has a fault

9065 Communication between CAN buses brake system has a fault

9502 sensor steering angle has a low voltage

9510 Sensor Steering angle defective

9512 sensor Steering wheel angle incorrectly parameterized in control unit BS

9543 The sensor rotation angle of the steering wheel does not produce any of the measured parameters

9550 sensor steering angle gives incorrect data

9563 Communication between modules for CAN buses brake system has a fault

9565 Communication between modules for CAN buses brake system has a fault

## MERCEDES TRUCK FAULT CODE LIST AUTOMATICALLY SELECT THE TRANSMISSION CONTROL UNIT (AG)

0097 Low voltage at terminal 30

0098 Internal fault in the control unit

0099 High voltage at terminal 30

1083 Inadequate transmission

1084 Internal fault in the control unit

1085 Internal fault in the control unit

1086 Internal fault in the control unit

1087 Internal fault in the control unit

1088 Internal fault in the control unit

1089 Internal fault in the control unit

1090 Internal fault in the control unit

1091 Internal fault in the control unit

2220 Fault in the drive control system and slip

2222 Fault in the drive control system and slip

2224 A fault in the ABS control unit or BS

2279 CAN bus from the ABS or BS control unit has an error or malfunction

2320 Fault in system traffic control FR

2322 Fault in system traffic control FR

2324 Fault in system traffic control FR

2326 Fault in system traffic control FR

2336 Fault in system traffic control FR  
2349 Fault in system traffic control FR  
2369 Fault in system traffic control FR  
2379 CAN bus from the control unit FR has an error or malfunction  
2409 Fault in system traffic control FR  
2428 Fault in system traffic control FR  
2449 Fault in system traffic control FR  
2478 Fault in system traffic control FR  
2479 CAN bus from the control unit FR has an error or malfunction  
2500 Faulty switching control system GS gear  
2502 Faulty switching control system GS gear  
2504 Faulty switching control system GS gear  
2506 Faulty switching control system GS gear  
2529 Faulty switching control system GS gear  
2569 Faulty switching control system GS gear  
2579 CAN bus from the GS control unit has an error or malfunction  
2729 A fault in the ABS control unit or BS  
2749 A fault in the ABS control unit or BS  
2769 A fault in the ABS control unit or BS  
2779 CAN bus from the ABS or BS control unit has an error or malfunction  
2820 Faulty switching control system GS gear  
2822 Faulty switching control system GS gear  
2824 Faulty switching control system GS gear  
2830 Faulty switching control system GS gear  
2834 Faulty switching control system GS gear  
2842 Faulty switching control system GS gear  
2869 Faulty switching control system GS gear  
2879 CAN bus from the GS control unit has an error or malfunction  
2910 Fault in system traffic control FR  
2928 Fault in system traffic control FR  
2958 Fault in system traffic control FR



2968 Fault in system traffic control FR  
2979 CAN bus from the control unit FR has an error or malfunction  
3008 Fault in system traffic control FR  
3010 Fault in system traffic control FR  
3028 Fault in system traffic control FR  
3079 CAN bus from the control unit FR has an error or malfunction  
3120 Faulty RS retarder control system  
3138 Faulty RS retarder control system  
3179 CAN bus from the RS control unit has an error or malfunction  
3280 data from the vehicle control unit INS changed or  
Error in communication with the control unit INS  
In 3281 control unit INS is not available the stored data on the car OR  
Error in communication with the control unit INS  
3282 CAN communication is faulty OR  
Error in communication with the control unit INS  
3381 An error in communication with the control unit GS  
3382 An error in communication with the MR control unit

## MERCEDES TRUCK UNIT FAULT CODE LIST MANAGEMENT FRAME LEVEL CONTROL SYSTEM (NR)

0160 Bus IES-CAN: CAN Bus off OFF  
0161 Bus IES-CAN: open communication  
0162 Bus IES-CAN: speed signal is absent (FR and ABS / BS)  
0163 Bus IES-CAN: the signal "braking system" is missing (FR)  
0164 Bus IES-CAN: the signal "Engine Speed" no (FR)  
0165 Bus IES-CAN: signal "Filling pressure circuit 1" is missing (INS)  
0166 Bus IES-CAN: the signal "pressure filling circuit 2" is missing (INS)  
0167 Bus IES-CAN: Signal "Supply voltage, Information Bit» absent (INS)

0168 Bus IES-CAN: Signal "Supply voltage, Information Bit» absent (INS)

OR

Bus IES-CAN: control unit FMR has an error and the lack of reliability of the signal

OR

Bus IES-CAN: control unit FR has an error and the lack of reliability of the signal

0169 Bus IES-CAN: Recognition of the curves is not possible

0170 Bus IES-CAN: The setpoint in the braking system is not

0171 Bus IES-CAN: Recognition of the curves is not possible

1010 control unit: internal error

1012 control unit: checksum specific ECU data

1013 control unit: parameters checksum

1014 checksum calibration displacement sensors is not true

1015 checksum calibration of pressure sensors is not true

1016 checksum calibration of load sensors is not true axis

1017 checksum permissible load on the axle is not true

1101 High voltage at terminal 30

1102 Undervoltage at terminal 30

1301 High voltage at terminal 15

1302 Undervoltage at terminal 15

1303 Terminal 15: outside the permissible voltage range

OR

Terminal 15: outside the permissible voltage range

2030 Remote control - data: open

2031 Remote control - data: a short to ground

2032 Remote control - data: short to positive

2130 Remote control - Hours: open

2131 Remote control - Watch: Short to Ground

2132 Remote control - Watch: Short to Plus

2230 Remote control - + Ub: open

2231 Remote control - + Ub: short to ground

2232 Remote control - + Ub: short to positive

3020 Solenoid valve 3/2 content: open  
3021 Solenoid valve 3/2 content: short to ground  
3022 Solenoid valve 3/2 content: short to positive  
3120 Solenoid valve 2/2 drive axle left: open  
3121 Solenoid valve 2/2 drive axle left: short to ground  
3122 Solenoid valve 2/2 drive axle left: short to positive  
3220 Solenoid valve 2/2 drive axle on the right: open  
3221 Solenoid valve 2/2 drive axle on the right: a short to ground  
3222 Solenoid valve 2/2 drive axle on the right: Short to Plus  
3320 Solenoid valve 3/3 dropping a third axis: open  
3321 Solenoid valve 3/3 dropping the third axis, short to ground  
3322 Solenoid valve 3/3 dropping a third axis: short to positive  
3420 Solenoid valve 3/3 lifting third axle: open  
3421 Solenoid valve 3/3 lifting third axle: short to ground  
3422 Solenoid valve 3/3 lifting third axle: Short to Plus  
3520 Solenoid valve 2/2 front axle: open  
3521 Solenoid valve 2/2 front axle: short to ground  
3522 Solenoid valve 2/2 front axle: Short to Plus  
3620 solenoid valve feedback: open  
3621 solenoid valve feedback: short to ground  
3622 solenoid valve feedback: short to positive  
4040 displacement transducer axle Left: open  
4041 displacement transducer axle left: short to ground  
4042 displacement transducer axle left: short to positive  
4043 displacement transducer axle Left: Fault nominal coil resistance  
4140 displacement transducer axle Right: open  
4141 sensor axle right move: a short to ground  
4142 displacement transducer axle right: short to positive  
4143 displacement transducer axle Right: Fault nominal coil resistance  
4240 move the front axle sensor: open  
4241 move the front axle sensor short circuit to ground

4242 move the front axle sensor: short circuit to plus  
4243 Sensor move the front axle: Fault nominal coil resistance  
5040 pressure sensor axle Left: open  
5041 pressure sensor axle left: short to ground  
5042 pressure sensor axle left: short to positive  
5140 pressure sensor axle right: open  
5141 pressure sensor axle right: short to ground  
5142 pressure sensor axle right: short to positive  
5240 Pressure Sensor front axle: open  
5241 Pressure Sensor front axle: short to ground  
5242 Pressure Sensor front axle: Short to Plus  
5340 Pressure sensor + UB: open  
5341 Pressure sensor + UB: short to ground  
5342 Pressure sensor + UB: short to positive  
6020 Electric commissioning proportional valve WR front axle is broken  
6021 Electric commissioning proportional valve WR front axle has a short to ground  
6022 Electric commissioning proportional valve WR front axle has short to positive  
6023 The specified current to the proportional valve WR front axle can not be achieved  
6120 Electric commissioning proportional valve WR 1. The rear axle is broken  
6121 Electric commissioning proportional valve WR 1. The rear axle has a short to ground  
6122 Electric commissioning proportional valve WR 1. The rear axle has short to positive  
6123 The specified current to the proportional valve WR 1. rear axle is not reached  
6220 Electric commissioning proportional valve WR 2. The rear axle is broken  
6221 Electric commissioning proportional valve WR 2. The rear axle has a short to ground  
6222 Electric commissioning proportional valve WR 2. The rear axle has short to positive  
6223 The specified current to the proportional valve WR 2. The rear axle is not reached  
6320 Contact Us WR valve is open

6321 Contact Us WR valve has a short to ground

6322 Contact Us WR valve has short to positive

## MERCEDES TRUCK UNIT FAULT CODES LIST OF TRAFFIC CONTROL MANAGEMENT SYSTEM (FR

0110 - CAN message from control unit ABS anti-lock system is missing or incorrect.

0111 - GS control unit measured value is invalid.

0112 - CAN message from the control unit is missing or incorrect.

0113 - CAN message from control unit RS governance of the retarder is missing or incorrect.

0114 - CAN message from control unit INS dash is missing or incorrect.

0115 - CAN message from control unit PSM parameterized spetsmodulya is missing or incorrect.

0117 - Measured WSK torque converter clutch clutch control unit value is invalid.

0119 - measured by the control unit KWS value is invalid.

0180 - ART control unit measured value is invalid.

0201 - Engine CAN to MR control unit in single-wire mode

0202 - CAN message from the MR control unit is missing or incorrect.

0203 - Engine CAN to MR control unit: a circuit break

0306 - CAN to FLA engine system: a circuit break

0416 - Bus High-Speed-CAN is out of order for more than 100 m / sec.

0418 - Bus High-Speed-CAN has failed.

0501 - CAN bus manual in one-wire mode

0508 - CAN bus manual does not give details.

0584 - Limit 'KR' function

0681 - automatic gear selection system is out of order

0682 - automatic selection of the transmission system in the emergency mode

0783 - Failed to query data

1120 - Jack 'D +' has short to positive.

- 1125 - Jack 'D +' to contact X4 18/13 is invalid or has a circuit break or short circuit to ground.
- 1223 - Switch clutch pedal 1 to 18/1 contact X1 is a circuit break or improperly collimated.
- 1421 - Brake Light Switch is a circuit break or improperly collimated.
- 1423 - Brake light switch on the contact H118 / 11 has a circuit.
- 1523 - faulty cruise control switch-temposet.
- 1524 - faulty cruise control switch-temposet.
- 1526 - Sign 'Quit' cruise control switch is open.
- 1623 - Clutch pedal 1 and 2: incorrect adjustment or stuck sensor
- 1723 - The switch to the neutral position contact H418 / 16 is defective or stuck.
- 1923 - Switch divider on the contacts X2 X2 18/11 and 18/12 is a circuit break or wrong.
- 2023 - Faulty switch the engine brake lever engagement 'Engine Management / tormozom- moderated'
- 2120 - Output X1 is 18/13 circuit to positive.
- 2122 - Output X1 18/13 has a short to ground.
- 2520 - Control unit has a 1/4 circuit to positive.
- 2522 - Control unit 1/4 is a short to ground.
- 2620 - Control unit has a 2/3 circuit to positive.
- 2622 - Control unit 2/3 is a short to ground.
- 2720 - oil level sensor in the automatic refueling of motor oil M2 has a circuit to positive.
- 2823 - Dual control keys ART
- 2923 - the shift lever unit is invalid
- 2927 - The sensor unit GS pinched.
- 2928 - The sensor unit GS is faulty.
- 2929 - Button 'Auto / Manual' sensor unit GS jammed.
- 3021 - Terminal 30 is open.
- 3031 - Terminal 30: overvoltage
- 3032 - Terminal 30: low voltage
- 3130 - 15/11 HZ sensor coolant level or the air filter monitoring sensor faulty HZ 15/1, 15/13 HZ Power has a circuit break or short circuit to plus or mass.

- 3233 - Faulty sensor monitoring of the air filter.
- 3236 - reached the boundary of contamination of the air filter.
- 3330 - Ambient temperature sensor has a circuit break / short to positive / weight
- 3430 - The clutch stroke is a circuit break, short to ground or short to positive.
- 3533 - Faulty coolant level sensor.
- 3634 - Reached max wear clutch facings.
- 3635 - moving the clutch sensor out of range
- 4141 - Signal "Input speed KGT unreliable.
- 4145 - Sensor input speed gearbox: break a circuit / short to positive / weight
- 4341 - Invalid speed signal (V)
- 4345 - The speed signal is a circuit break or short circuit to earth or positive.
- 4440 - The first branch of the gas pedal sensor has a circuit break or short circuit to earth or positive.
- 4540 - The second branch of the gas pedal sensor has a circuit break or short circuit to earth or positive.
- 4641 - faulty gas pedal sensor
- 4642 - gas pedal sensor does not reach the idle stop.
- 4643 - The value of the gas pedal deliverer is the programmed range
- 4644 - Tight stroke gas pedal sensor
- 5052 - Solenoid valve 1 HZ 15/4 contact is shorted to ground.
- 5053 - Solenoid valve 1 at the contact HZ 15/4 has circuit to positive.
- 5054 - Solenoid valve 1 at the contact HZ 15/4 is a circuit break.
- 5152 - Solenoid valve 2 HZ 15/7 contact is shorted to ground.
- 5153 - Solenoid valve 2 at the contact HZ 15/7 has circuit to positive.
- 5154 - Solenoid valve 2 at the contact HZ 15/7 is a circuit break.
- 5252 - The total weight of the wire solenoid valve fixed orifice and the retarder has a short to ground.
- 5253 - The total weight of the wire solenoid valve fixed orifice and the retarder has a circuit to positive.
- 5352 - Solenoid valve 'the Split 1' has a short to ground.
- 5353 - Solenoid valve 'the Split 1' has the circuit to positive.

- 5354 - Solenoid valve 'the Split 1' has a discontinuity circuits.
- 5452 - Solenoid valve 'the Split 2' has a short to ground.
- 5453 - Solenoid valve 'the Split 2' has the circuit to positive.
- 5454 - Solenoid valve 'the Split 2' has a discontinuity circuits.
- 5552 - The total weight of the wire of the solenoid valves Y29 and Y30 is a short to ground.
- 5553 - The total weight of the wire of the solenoid valves Y29 and Y30 have circuit to positive.
- 5652 - Entry of "Managing the brake light signal" is a short to ground.
- 5653 - Entry of "Managing stoplights signal" has short to positive.
- 5654 - Exit 'activation stop signal' has a discontinuity circuits.
- 5752 - Entry of "Managing Reverse lights" is a short to ground.
- 5753 - Entry of "Managing Reverse lights" has short to positive.
- 5754 - Entry of "Managing Reverse lights" is a circuit break.
- 5852 - Exit "Activate D +» is a short to ground.
- 5853 - Exit "Activate D +» has short to positive.
- 5854 - Exit "Activate D +» is a circuit break.
- 5952 - Activation of the automatic refueling of motor oil has a short to ground.
- 5953 - Activation of the automatic refueling of motor oil has a short circuit to positive.
- 5954 - Activation of the automatic refueling of motor oil is a circuit break.
- 6262 - Internal fault in the control unit.
- 6265 - Internal error management v.bloke.
- 6365 - Internal fault in the control unit.
- 7064 - Internal fault in the control unit.
- 7070 - Block the gas pedal is not trained
- 7071 - Error initializing (training) gear ratio divider
- 7072 - Error initializing (training) gear ratio terminals W
- 7073 - Error clutch travel sensor training
- 7074 - Error initializing (training) on the CAN bus and / m
- 8023 - Position switch HL5 unreliable



0110 CAN bus from the ABS control unit is missing or has a fault

0111 CAN bus from the GS control unit is missing or has a fault

OR

Measured value of the GS of the control unit is not valid

0112 CAN bus control unit of the KS is missing or has a fault

0113 CAN bus from the RS control unit is missing or has a fault

0114 CAN bus from the INS control unit is missing or has a fault

0115 CAN bus from the PSM control unit is missing or has a fault

0116 CAN bus vehicle has a defect open / short circuit to ground / on the plus

0117 WSK CAN bus from the control unit is missing or has a fault

OR

Measured parameter from control unit WSK is not valid

0119 Measured parameter from KWS is not a valid control unit

0180 Measured parameter from ART control unit is not valid

0201 Bus Engine CAN to MR control unit in single-wire mode

0202 CAN bus from the MR control unit is missing or has a fault

0203 Bus Engine CAN to MR control unit is open

0306 Bus Engine CAN to FLA control unit is open

0416 Bus CAN-High data for more than 100 seconds was interrupted

0418 CAN-High Data bus is out of order

0501 CAN bus transmission in single-wire mode

0508 CAN bus gearbox does not supply any data

0681 automatic gear selection system is out of order

0682 automatic selection of the transmission system is in emergency mode

0783 An error occurred while communicating

1120 Connection D + has a short circuit to positive

OR

Terminal D + has a short circuit to positive

1125 Connecting to the D + contact X4 18/13 is invalid value or an open or short circuit

to

weight

OR

D + connector X4 18/13 invalid value / open / short circuit to ground

1223 Switch clutch pedal 1 to 18/1 contact X1 is open or incorrectly carried out adjustment

OR

Switch clutch pedal X1 18/1, open / incorrectly carried out adjustment

1323 Switch handbrake 15/9 X3 has a fault or short circuit

1421 The switch of stoplights is open or incorrectly carried out adjustment

OR

The switch of stoplights, open / incorrectly carried out adjustment

1423 The switch of stoplights at the contact X1 18/11 has a short circuit

OR

The switch of stoplights at the contact X1 18/11, fault / short-circuit

1523 Switch Cruise / tempset defective

1524 Switch Cruise / tempset defective

1526 Log "QUIT" cruise control switch open

1623 Switch clutch pedal 1 and 2: An error during adjustment or switch sinks

1723 The switch to the neutral position contact X4 18/16 has a defect or sinks

OR

The switch to the neutral position contact X4 18/16 defect / switch sinks

1923 Switch divider on pin X2 18/11 and 18/12 X2 is broken or defective

OR

Switch divider on pin 18/11 X2 and X2 18/12, open / defective

2023 Switch engine brake lever turn on "Engine control / engine brake" is faulty

2120 Out GSV1 has short to positive

OR

Square-wave output GSV 1 instruction cycle management of a switch, a short circuit in the

a plus

2122 Out GSV1 has a short to ground

OR

Square-wave output GSV 1 instruction cycle management of a switch, a short circuit in the

weight

2220 square-wave output GSV 2 cycle-accurate control of a switch, a short circuit in the a plus

2222 square-wave output GSV 2 cycle-accurate control of a switch, a short circuit in the weight

2320 square-wave output GSV 3 cycle-accurate control of a switch, a short circuit in the a plus

2322 square-wave output GSV 3 cycle-accurate control of a switch, a short circuit in the weight

2420 square-wave output GSV 4 cycle-accurate control of a switch, a short circuit in the a plus

2422 square-wave output GSV 4 cycle-accurate control of a switch, a short circuit in the weight

2520 Group incorporating a 1/4 has a short circuit to positive

2522 Group incorporating a 1/4 has a short circuit to ground

2620 enable the Group 2/3 has short to positive

2622 enable the Group 2/3 has a short to ground

2720 Oil level sensor in the automatic topping up engine oil M2 is short-circuited on the plus

2721 Oil level sensor in the automatic topping up engine oil M2 is open

2823 Dual Control buttons ART

2923 signal from the joystick is invalid

3021 Terminal 30 is open

3031 Terminal 30 High Voltage

3032 Terminal 30 Undervoltage

3130 coolant level sensor X3 15/11 or sensor monitoring air filter clogging

H3.15 / 1 fails, the voltage supply to the X3 15/13 has an open or short to positive or short circuit to ground

3233 air filter contamination sensor defective

3236 reached the boundary of contamination of the air filter

3330 Outside temperature sensor open / short to positive / short circuit to ground

3430 displacement transducer coupling is open / short circuit to positive / short circuit to ground

3533 coolant level sensor is faulty

3634 reached the maximum wear of clutch facings

3635 displacement transducer coupling is allowed by setting boundaries

4041 Terminal signal W has a fault / open / short circuit to ground / short to a plus

OR

Signal terminal W is invalid

4141 input speed sensor on the gearbox has a fault / error in the frequency

OR

Input speed on the gearbox has invalid value

4145 input speed sensor on the gearbox has an open / short circuit to plus / short to ground

4341 Invalid speed signal V

4345 speed signal is open or a short to ground or short to positive

4440 First gas pedal sensor circuit is open or short to positive or to earth

4540 A second gas pedal sensor circuit is open or short to positive or to earth

4641 sensor is faulty gas pedals

4642 gas pedal sensor does not reach the idle stop

4643 gas pedal sensor is coordinated measuring range

4644 Sensor gas pedal difficult movement

5051 Solenoid valve 1, X3 15/4 open / short to positive

5052 Solenoid valve 1, X3 15/4 open / short circuit to ground

5053 The output X3 15/4 has short to positive

5054 The output X3 is open 15/4

5151 Solenoid valve 2, X3 15/7 open / short to positive

5152 Solenoid valve 2, X3 15/7 open / short circuit to ground

5153 The output X3 15/7 has short to positive  
5154 The output X3 is open 15/7  
5252 Connecting MBA engine brake output valve signal, short to ground  
5253 total cable weight of the magnetic valve "engine brake" is short to positive  
5351 output signal X4 X4 18/7 or 18/8 is an open or short to positive  
5352 Solenoid valve divider 1 has a short to ground  
5353 Solenoid valve divider 1 has a short circuit to positive  
5354 Solenoid valve divider 1 is open  
5451 output signal X4 X4 18/7 or 18/10 is open or short circuit to positive  
5452 Magnet 2 divider valve has a short to ground  
5453 Solenoid valve divider 2 has a short circuit to positive  
5454 Solenoid valve 2 has an open divider  
5552 output signal X4 or X3 18/7 15/8 has a short to ground  
5553 output signal X4 18/7 has short to positive  
5651 output of the inhibition of a stoplight, the base module open / short to positive  
5652 output of the inhibition of a stoplight, the base module shorted to ground  
5653 Output "Management braking stop sign" is short to positive  
5654 Output "Management braking stop sign" is open  
5751 The output of the reverse gear in the base module, open / short to positive  
The output signal 5752 reverse gear in the basic unit a short to ground  
5753 Initiation of D + has a short circuit to positive  
OR  
The output of "Managing Reverse light" has short to positive  
5754 Output "Management reversing light" is open  
5851 The output relay D + / base unit open / short to positive  
5852 The output relay D + / base unit open / short circuit to ground  
5853 The output of the "Management of D +» has short to positive  
Office 5854 has a D + open  
Office 5951 automatically topping up the engine oil is an open or short to positive  
5952 Office of the automatic topping up engine oil has a short to ground  
5953 Office of the automatic topping up engine oil has short to positive

5954 Office of the automatic topping up engine oil has broken

6161 control unit has an internal error

The control unit 6262 has an internal fault

7060 parameterization error or internal fault "Basic setting at idle speed  
move more than limit the operating speed the vehicle is stationary "

OR

Parameterization error or internal error 15 "internal parameter Brake Control  
Long-acting is not valid "

OR

Parameterization error or internal error "Internal parameter Maximum torque  
inhibition of long-acting output gearbox is not valid "

OR

parameterization error or internal error 14 "error matching terminal W gear  
number"

OR

Parameterization error or internal error of 1 to 11, 18 to 22, 26

OR

Parameterization error or internal error 23 "There is no movement of the clutch"

OR

Parameterization error or internal error Parameter 03 "prescribed by law  
the speed limit does not significantly "

OR

Parameterization error or internal error Parameter 04 "Additional speed limit  
not reliably "

OR

Parameterization error or internal error 12 Parameter 13 «CFFG-Max is uncertain"

OR

Parameterization error or internal error 13 Parameter 14 «CFFG-Min unreliable"

OR

Parameterization error or internal error Parameter 79 "Maximum braking stage  
engine brake lever is not reliable "

OR

parameterization error or internal error "gear ratio divider is programmed with mistake "

OR

parameterization error or internal error 24 "gear ratio divider is programmed a mistake "

## MERCEDES TRUCK LIST OF SPECIAL MODULE CONTROL UNIT FAULT CODES WITH PARAMETER SETTING (PSM)

- 0160 Communication fault on the CAN bus vehicle
- 0161 Error communication with the ABS control unit or BS
- 0162 Error communication with the control unit FR
- 0163 Error communication with the control unit FR
- 0164 Failed to communicate with the control unit INS
- 0165 Error communication with the ABS control unit or BS
- 0167 Failed to communicate with the control unit GS
- 0168 Error communication with the control unit FR
- 0169 Failed to communicate with the control unit INS
- 0270 single-wire CAN bus operating mode of the body is not possible
- 0271 Wire CAN-H CAN bus body is damaged
- 0272 Wire CAN-L CAN bus body is damaged
- 0275 Wire CAN-H CAN bus body is damaged
- 0276 Wire CAN-L CAN bus body is damaged
- 0370 single-wire mode of operation of the trailer CAN bus is not possible
- 0371 Wire bus CAN-H CAN trailer damaged
- 0372 Wire CAN-L CAN Bus damaged trailer
- 0375 Wire bus CAN-H CAN trailer damaged
- 0376 Wire CAN-L CAN Bus damaged trailer
- 1010 Internal error in the control unit

1011 EEPROM-error

OR

Internal fault in the control unit

1012 parameterization error in the control unit

1100 High voltage at terminal 30

1101 Undervoltage at terminal 30

1102 Open voltage supply terminal 30

OR

Inadequate voltage at terminal 30

1200 High voltage at terminal 15

1201 Undervoltage at terminal 15

1202 Undervoltage at terminal 15

1210 Broken wire on terminal 15

2020 Output "engine running a generator in order" (Contact X4 18/9) has a short circuit to ground

OR

Digital output 1 is shorted to ground

2021 Output "engine running a generator in order" (Contact X4 18/9) has a short circuit plus or breakage

OR

Digital output 1 has a short circuit to positive or open circuit

2120 Output "Disabling retarder" (18/10 Contact X4) is shorted to ground

OR

Digital output 2 has a short to ground

2121 Output "Disabling retarder" (18/10 Contact X4) has a short circuit to positive or breakage

OR

Digital output 2 has a short circuit to positive or open circuit

2220 Output "Management clutch lock cylinder" (18/11 Contact X4) has a short short to ground

OR



Digital output 3 has a short to ground

2221 Output "Management clutch lock cylinder" (18/11 Contact X4) has a short circuit to positive or open circuit

OR

Digital output 3 has a short circuit to positive or open circuit

2222 Unreliable excitation of the solenoid valve at the digital output 3

2320 Output "Management clutch valve" (18/12 Contact X4) has a short short to ground

OR

Digital output 4 has a short circuit to ground

2321 Output "Management clutch valve" (18/12 Contact X4) has a short circuit to positive or open circuit

OR

Digital output 4 has a short circuit to positive or open circuit

2420 Initiation of "Exit" (18/13 Contact X4) is shorted to ground

OR

5 Digital output is shorted to ground

2421 Initiation of "Exit" (18/13 Contact X4) has a short circuit to positive or open circuit

OR

Digital output 5 has a short circuit to positive or open circuit

2422 Unreliable excitation of the solenoid valve at the digital output 5

2520 The output of the "Contact Us PTO" (18/14 Contact X4) has a short to weight

OR

Digital output 6 has a short to ground

2521 The output of the "Contact Us PTO" (18/14 Contact X4) has a short to plus or breakage

OR

Digital output 6 has a short circuit to positive or open circuit

2522 Unreliable excitation of the solenoid valve at the digital output 6

2620 The output of the "neutral position" (18/15 Contact X4) is shorted to ground

2621 The output of the "neutral position" (18/15 Contact X4) has a short circuit to positive or breakage

2720 Output "PTO Management 1" (18/16 Contact X4) has a short to weight

2721 Output "PTO Management 1" (18/16 Contact X4) has a short to plus or breakage

2722 Lack PTO feedback 1 (X3 Contact 15/7), despite the presence of excitation Power take-off 1 (Contact X4 18/16)

2723 Lack of excitation power take-off 1 (Contact X4 18/16), despite the presence of feedback Power take-off 1 (X3 Contact 15/7)

2820 Output "Excitation power take-off 2" (18/17 Contact X4) has a short to weight

2821 Output "Excitation power take-off 2" (18/17 Contact X4) has a short to 00 19

Review the error code - Actros - Dashboard 2000 19\_9022AA 00/3 plus or breakage

2822 Lack PTO feedback 2 (X3 Contact 15/8), despite the presence of excitation Power take-off 2 (Contact X4 18/17)

2823 The lack of power take-off 2 drive (Contact X4 18/17), despite the presence of feedback Power take-off 2 (X3 Contact 15/8)

2920 Output "Excitation PTO 3" (18/18 Contact X4) has a short to weight

2921 Output "Excitation PTO 3" (18/18 Contact X4) has a short to plus or breakage

2922 Lack of feedback PTO 3 (X3 Contact 15/9), despite the presence of excitation PTO 3 (Contact X4 18/18)

2923 The lack of excitement PTO 3 (Contact X4 18/18), despite the presence of feedback

PTO 3 (X3 Contact 15/9)

3020 Output "engine speed signal" is a short to ground

OR

The output of the "Reverse gear included" (Contact X4 18/9) has a short to weight

The output 3021 "of the engine speed signal" has a short circuit to positive

OR

The output of the "Reverse gear included" (Contact X4 18/9) has a short circuit to positive

or open

3120 Output signal "Transmission enabled 1" (18/10 Contact X4) is shorted to ground

OR

The output signal "velocity signal" is shorted to ground

3121 Output signal "Transmission enabled 1" (18/10 Contact X4) has a short circuit to positive or open circuit

OR

The output signal "Speed Signal" has a short circuit to positive

3220 The output of "Kick-down" (18/11 Contact X4) is shorted to ground

OR

The output "parameter signal a predetermined torque" is shorted to ground

3221 The output of "Kick-down" (18/11 Contact X4) has a short circuit to positive or open circuit

OR

The output "parameter signal a predetermined torque" has a short circuit to positive

3320 Output "Retaining the parking brake" (18/12 Contact X4) has a short to weight

3321 Output "Retaining the parking brake" (18/12 Contact X4) has a short to plus or breakage

3420 Output "Error ABS» (18/13 Contact X4) is shorted to ground

3421 Output "Error ABS» (18/13 Contact X4) has a short circuit to positive or open circuit

3520 Output signal "Gear 2 included" (18/14 Contact X4) is shorted to ground  
3521 Output signal "Gear 2 included" (18/14 Contact X4) has a short circuit to positive  
or  
breakage  
4020 Output signal Contact X4 18/9 is a short to ground  
4021 Output signal Contact X4 18/9 has short to positive or open circuit  
4040 manual wire gas sensor is broken  
4041 manual wire gas sensor signal is shorted to ground  
4042 manual wire gas sensor has short to positive  
4043 Short circuit between the signal wire and the wire feed plus a manual gas sensor  
4120 Output signal Contact X4 18/10 has a short to ground  
4121 Output signal Contact X4 18/10 has short to positive or open circuit  
4141 Digital Input 1 has a short to ground  
4142 Digital Input 1 has short to positive  
4220 Output signal Contact X4 18/11 has a short to ground  
4221 Output signal Contact X4 18/11 has short to positive or open circuit  
4241 Digital Input 2 has a short to ground  
4242 Digital Input 2 has short to positive  
4320 Output signal Contact X4 18/12 has a short to ground  
4321 Output signal Contact X4 18/12 has short to positive or open circuit  
4341 Digital Input 3 has a short to ground  
4342 Digital Input 3 has short to positive  
4420 Output signal Contact X4 18/13 has a short to ground  
4421 Output signal Contact X4 18/13 has short to positive or open circuit  
4441 Digital Input 4 has a short circuit to ground  
4442 Digital Input 4 has a short circuit to positive  
4520 Output signal Contact X4 18/14 has a short to ground.

## MERCEDES TRUCK UNIT FAULT CODE LIST MANAGEMENT TACHOGRAPH (DTCO)

0004 Open voltage supply cable  
1000 CAN error  
10000 Positioning drive tachograms violated  
1100 CAN error  
Internal Error 1200  
1400 Calibration of the tachograph contains fault  
1500 Fault Management details  
1600 Fault Management details  
1704 Connection CAN c dashboard INS is not properly  
3408 Speed Sensor Malfunction  
3504 Speed Sensor Malfunction  
4804 output speed fault  
8000 movement without drive tachograms  
8100 Drive tachograms first driver missing  
8200 Drive tachograms second driver missing  
8300 Synchronization can be initiated  
9000 Positioning drive tachograms violated  
9600 Function drawer broken  
9700 Faulty speed registration  
9800 Faulty recorder system  
9900 Faulty recorder system

## MERCEDES BENZ LIST OF CONTROL UNIT FAULT CODES AUXILIARY HEATER (ZHE)

Faulty control unit 0000  
0001 Malfunction of the control unit, the internal temperature sensor  
0100 heater does not start

- 0104 Block of work after an unsuccessful launch
- 0200 flame interruption occurs again
- 0301 Overvoltage
- 0302 Undervoltage
- 0400 Premature flame recognition
- 0501 Flame sensor short circuit
- 0502 Open in a flame sensor circuit
- 0601 Short circuit Temperature sensor
- 0602 Break in the temperature sensor circuit
- 0701 Short metering pump
- 0702 Open circuit dosing pump
- 0801 Short-circuit the fan motor
- 0802 Open in a fan motor circuit
- 0803 Wrong fan motor speed
- 0901 Short glow plug
- 0902 Open circuit glow plug
- 1000 Overheating auxiliary heater
- 1004 Too many times overheating or excessive control took place (operation lock)
- 1101 Short circuit water pump
- 1102 Open in a water pump circuit
- 1201 Short circuit sensor setpoint
- 1202 Open circuit sensor setpoint
- 1301 Overheating sensor has a short circuit
- 1302 Overheating sensor has broken
- 1303 Overheating sensor is out of tolerance / operating range (detection redundancy check)
- 1401 Relay connection to the water pump has a short circuit
- 1501 Short circuit to connect external components
- 1601 Relay connection for the external fan is short-circuited
- 1620 Relay connection for the external fan is broken
- 1701 Fan excitement to switch water circuit is short-circuited

1702 Fan excitement to switch water circuit is open

## MERCEDES TRUCK LIST OF BLOCK ERROR CODES WS (MAINTENANCE SYSTEM)

0122 - CAN bus Overload

0123 - Functional CAN bus failure

0132 - Data WS control unit lifecycle wrong.

0133 - WS control unit parameters are incorrect.

0135 - Internal fault in the control unit

0138 - Internal fault in the control unit

0139 - Internal fault in the control unit

0150 - Timeout receiving CAN BU ABS data

0151 - CAN reception wait time data BU GS

0152 - CAN reception wait time data BU FR

0153 - CAN reception wait time data BU MR

0154 - CAN reception wait time data BU RS

0155 - CAN reception wait time data BU FR

0156 - CAN reception wait time data BU MR

0157 - Timeout receiving CAN data BU INS

0158 - Timeout receiving CAN data BU BS

0159 - CAN reception wait time data BU GS

0201 - oil temperature sensor has a fault KP "short to ground".

0202 - exceeded temperature sensor measuring range gearbox oil.

0205 - The measured value of the oil temperature sensor KP unreliable.

0210 - exceeded the maximum allowable temperature of the oil KP.

0301 - The temperature sensor transfer box has a fault "Short circuit to ground."

0302 - exceeded temperature sensor measuring range transfer case.

0305 - The measured value transfer gearbox temperature sensor is uncertain.

0310 - exceeded the maximum allowable temperature of the oil transfer case.

0401 - Temperature sensor front axle has a fault "Short circuit to ground."

- 0402 - exceeded range of front axle temperature sensor measurements.
- 0405 - The measured value of the front axle unreliable temperature sensor.
- 0410 - exceeded the maximum allowable temperature of the oil front differential.
- 0501 - rear axle temperature sensor has a fault "Short circuit to ground."
- 0502 - exceeded the range of the rear axle temperature sensor measurements.
- 0505 - The measured value of the rear axle unreliable temperature sensor.
- 0510 - exceeded the maximum allowable temperature of the rear differential oil.
- 0601 - condensed liquid sensor has a fault "Short Circuit" on the ground.
- 0604 - condensed liquid sensor has a fault "break a circuit."
- 0605 - value not valid condensation sensor.
- 1011 - Too much difference between the brake pad wear brakes 1st front axle.
- 1012 - Too much difference between the brake pad wear first front axle and the other axles.
- 1111 - Too much difference between the brake pad wear brakes 2nd front axle.
- 1112 - Too much difference between the brake pad wear second front axle and the other axles.
- 1211 - Too much difference between the brake pad wear brakes 1st rear axle.
- 1212 - Too much difference between the brake pad wear first rear axle and the other axles.
- 1311 - Too much difference between the brake pad wear brakes 2nd rear axle.
- 1312 - Too much difference between the brake pad wear second rear bridge and other bridges.
- 1401 - The closure of the signal line of the left sensor Brake pad wear 1st front axle.
- 1402 - The measured value of brake pad wear 1st front axle on the left above the measuring range.
- 1403 - The measured value of brake pad wear 1st front axle on the left below the measurement range.
- 1404 - Broken signal wire left sensor Brake pad wear 1st front axle.
- 1405 - invalid measurement value of brake pad wear 1st front axle on the left.
- 1420 - Failure of the CAN signal Brake pad wear 1, Front Axle Left
- 1501 - The closure of the signal line of the right sensor Brake pad wear 1st front axle.



- 1502 - The measured value of brake pad wear 1st front axle on the right above the measuring range.
- 1503 - The measured value of brake pad wear 1st front axle on the right below the measurement range.
- 1504 - Open the right signal wire sensor Brake pad wear 1st front axle.
- 1505 - invalid measurement value of brake pad wear 1st front axle on the right.
- 1520 - Failure of the CAN signal Brake pad wear 1, Front Axle Right
- 1601 - The closure of the signal line of the left sensor Brake pad wear 2nd front axle.
- 1602 - The measured value of brake pad wear of the 2nd front axle on the left above the measuring range.
- 1603 - The measured value of brake pad wear of the 2nd front axle on the left below the measurement range.
- 1604 - Broken signal wire left sensor Brake pad wear 2nd front axle.
- 1605 - invalid measurement value of brake pad wear of the 2nd front axle on the left.
- 1620 - Failure of the CAN signal Brake pad wear 2nd front axle Left
- 1701 - The closure of the signal line of the right brake pad wear indicator 2nd front axle.
- 1702 - The measured value of brake pad wear of the 2nd front axle on the right above the measuring range.
- 1703 - The measured value of brake pad wear of the 2nd front axle on the right below the measurement range.
- 1704 - Broken signal wire of the right brake pad wear indicator 2nd front axle.
- 1705 - invalid measurement value of brake pad wear of the 2nd front axle on the right.
- 1720 - Failure of the CAN signal Brake pad wear 2nd front axle Right
- 1801 - The closure of the signal line of the left sensor Brake pad wear 1 st rear axle.
- 1802 - The measured value of brake pad wear 1st rear axle on the left above the measuring range.
- 1803 - The measured value of brake pad wear 1st rear axle on the left below the measurement range.
- 1804 - Broken signal wire left sensor Brake pad wear 1 st rear axle.
- 1805 - invalid measurement value of brake pad wear 1st rear axle left.
- 1820 - Failure of the CAN Brake pad wear 1 st rear axle to the left signal

1901 - The closure of the signal line of the right sensor Brake pad wear 1 st rear axle.

1902 - The measured value of brake pad wear 1st rear axle on the right above the measuring range.

1903 - The measured value of brake pad wear 1st rear axle on the right below the measurement range.

1904 - Open the right signal wire sensor Brake pad wear 1 st rear axle.

1905 - invalid measurement value of brake pad wear 1st rear axle right.

1920 - Failure of the CAN Brake pad wear 1 st rear axle right signal

2001 - The closure of the signal line of the left sensor Brake pad wear 2nd rear axle.

2002 - The measured value of brake pad wear 2nd rear axle on the left above the measuring range.

2003 - The measured value of brake pad wear 2nd rear axle on the left below the measurement range.

2004 - Broken signal wire left sensor Brake pad wear 2nd rear axle.

2005 - invalid measurement value of brake pad wear 2nd rear axle left.

2020 - Failure of the CAN signal Brake pad wear 2nd rear axle Left

2101 - The closure of the signal line of the right sensor Brake pad wear 2nd rear axle.

2102 - The measured value of brake pad wear 2nd rear axle on the right above the measuring range.

2103 - The measured value of brake pad wear 2nd rear axle on the right below the measurement range.

2104 - Open the right signal wire sensor Brake pad wear 2nd rear axle.

2105 - invalid measurement value of brake pad wear 2nd rear axle right.

2120 - Failure of the CAN signal Brake pad wear 2nd rear axle Right

2205 - invalid measurement value (signal path) tachograph.

2320 - Failure of the CAN signal 'Residual pressure circuit 1 or 2' (INS)

3105 - Not Actual speed signal NW.

3120 - Failure of NW speed via CAN signal

3220 - Failure of the CAN speed signal

3320 - Failure of the setpoint signal via the CAN motor torque

3420 - Failure of the CAN signal measured value outside air temperature

- 3520 - Failure of the CAN signal measured value air filter is clogged
- 4105 - invalid measurement of oil temperature in the retarder brake (retarder).
- 4110 - exceeded the maximum allowable temperature of the oil in the retarder brake (retarder).
- 4120 - Failure of the CAN signal is the measured value of oil temperature in the retarder brake (retarder)
- 5105 - invalid measurement value of the oil temperature in the engine.
- 5110 - exceeded the maximum allowable temperature of the oil in the engine.
- 5113 - Improper engine oil viscosity.
- 5120 - Failure of the CAN signal is the measured value of oil temperature in the engine
- 5205 - invalid measurement value of the coolant temperature.
- 5210 - exceeded the maximum permissible coolant temperature.
- 5220 - Failure of the CAN signal of the measured value of the coolant temperature
- 5320 - Failure of the CAN signal measured fuel consumption values
- 7120 - Failure of the CAN actual value of the clutch signal

## MERCEDES TRUCK LIST OF FAULT CODES GEAR UNIT (GS)

- 0160 CAN bus vehicle has a fault
- 0161 CAN connection has a malfunction open communication on the CAN bus vehicle
- 0162 Malfunction of communication with the control unit FR (FMR)
- 0163 Faulty communication with PSM control unit
- 0164 Faulty communication with the control unit WSK
- 0165 Fault RS communication with the control unit (RET)
- 0166 Faulty communication with the ABS control unit or BS (EPB)
- 0167 Faulty communication with the control unit INS
- 0168 Faulty communication with KS control unit (MKR)
- 0169 Faulty communication with the AG control unit (AGE)
- 0170 Fault MR communication with the control unit (PLD)
- 0171 WS Faulty communication with the control unit a fault of communication with the control unit WS (FSS)

1010 Internal error in the control unit

1011 Unreliable data harmonization

1012 GS (EPS) control unit is not correctly parameterized

1080 TEST-TEST-OR Electronics Software

TEST-1081 Computer software

1082 module verification stand zaaktivirovan

1101 Overvoltage at terminal 30

1102 Undervoltage at terminal 30

1201 mass cable for the control unit is open

1301 Overvoltage at terminal 15

1302 Undervoltage at terminal 15

1503 Supply voltage for the joystick is broken

1504 Supply voltage for the joystick has a short to ground

OR

Supply voltage for the joystick and rotary encoder B57 / B99 is a short to ground

OR

Supply voltage for the joystick and rotary encoder B57 has a short to ground

1505 Supply voltage for joystick has short to positive

OR

Supply voltage for the joystick and rotary encoder B57 / B99 has short to positive

OR

Supply voltage for the joystick and rotary encoder B57 has short to positive

2030 Faulty communication with a joystick

2031 cable mass for the joystick is broken

2032 Cable for emergency operation switch is open

2033 Cable for emergency operation switch has a short circuit to ground

OR

weight to the joystick cable is shorted to ground

2034 Cable for emergency operation switch has a short circuit to positive

OR

weight to the joystick cable is short to positive

Error 2035 lifting the ban on the inclusion of an emergency electronics

2036 Switch emergency operation has failed

2037 The final stage includes a feedback fault

GS 3020 block valves (EPS), MS1 solenoid valve is open

GS 3021 block valves (EPS), MS2 solenoid valve is open

3022 Valve GS (EPS), the solenoid valve MS1 has a short to ground

3023 Valve GS (EPS), the solenoid valve MS2 has a short to ground

3024 Valve GS (EPS), the solenoid valve MS1 has short to positive

3025 Valve GS (EPS), the solenoid valve MS2 has short to positive

GS 3120 block valves (EPS), MUB solenoid valve is open

GS 3121 block valves (EPS), the solenoid valve is open MGB

3122 Valve GS (EPS), the solenoid valve MUB is a short to ground

3123 Valve GS (EPS), the solenoid valve MGB has a short to ground

3124 Valve GS (EPS), the solenoid valve MUB has short to positive

3125 Valve GS (EPS), the solenoid valve MGB has short to positive

GS 3220 block valves (EPS), the solenoid valve is open MUE

GS 3221 block valves (EPS), the solenoid valve is open MGE

3222 Valve GS (EPS), the solenoid valve MUE has a short to ground

3223 Valve GS (EPS), the solenoid valve MGE has a short to ground

3224 Valve GS (EPS), the solenoid valve MUE has short to positive

3225 Valve GS (EPS), the solenoid valve MGE has short to positive

GS 3320 block valves (EPS), MG1 solenoid valve is open

GS 3321 block valves (EPS), MG2 solenoid valve is open

3322 Valve GS (EPS), the solenoid valve MG1 has a short to ground

3323 Valve GS (EPS), the solenoid valve MG2 has a short to ground

3324 Valve GS (EPS), the solenoid valve MG1 has short to positive

3325 Valve GS (EPS), the solenoid valve MG2 is short to positive

GS 3420 block valves (EPS), MR1 solenoid valve is open

GS 3421 block valves (EPS), MR2 solenoid valve is open

3422 Valve GS (EPS), the solenoid valve MR1 is a short to ground

3423 Valve GS (EPS), the solenoid valve MR2 has a short to ground

3424 Valve GS (EPS), the solenoid valve MR1 has short to positive  
3425 Valve GS (EPS), the solenoid valve MR2 has short to positive  
3803 total cable weight of the magnetic valve is open  
3804 total cable weight of the magnetic valve has a short to ground  
3805 total cable weight of the magnetic valve has a short circuit to positive  
4040 divider probe is broken  
4041 divider sensor has a short circuit to ground  
4042 divider sensor has short to positive  
4043 divider functioning Faulty sensor components  
4044 Component divider sensor outside the permissible parameters of the border  
4140 Sensor switching gear is broken  
4141 Sensor switching gear has a short to ground  
4142 Sensor switching gear has short to positive  
4143 Malfunctioning gear incorporating sensor components  
4144 switching gear sensor component is permissible parameters of the border  
4240 Sensor switching tracks is broken  
4241 Sensor switching tracks is short to ground  
4242 Sensor switching tracks has short to positive  
4243 Faulty operation runs incorporating sensor components  
4244 incorporating the sensor component runs outside the permissible parameters of the border  
4340 sensor has a switching range of cliff  
4341 Sensor switching range has a short to ground  
4342 Sensor switching range has short to positive  
4343 Faulty operation range incorporating sensor components  
4344 incorporating the sensor component is permissible parameter range border  
4440 displacement transducer coupling is broken  
4441 Sensor movement clutch has a short to ground  
4442 displacement transducer coupling has short to positive  
4443 Faulty operation clutch travel sensor components  
4444 Component clutch travel sensor outside the permissible parameters of the border

5040 signal from the angle sensor B57 missing

Error 5043 B57 component operation

OR

Error angle sensor operation

5140 B3 speed sensor for the intermediate shaft has broken

OR

The signal from the rotation sensor B3 is absent

5141 B3 speed sensor for the intermediate shaft is a short to ground

5142 B3 speed sensor for the intermediate shaft has a short circuit to positive

OR

B3 speed sensor for the intermediate shaft has an open or short to positive

5143 operation failed speed sensor component for the intermediate shaft

5240 C3 signal / pulse velocity V no

5243 C3 signal / pulse velocity V has a fault

5340 signal from the angle sensor B99 missing

Error 5343 B99 component operation

8091 No speed

8092 Transfer Case parameterized incorrectly or the parameterization process is not carried out

8093 Wrong type gearbox

8094 Estimated direction of movement is not significantly

8095 Position of clutch: a minimum agreed parameter is not reached

OR

TEST-Software

8096 Position of coupling: maximum parameter is exceeded the agreed

OR

TEST-Electronics

## MERCEDES TRUCK LIST UNIT FAULT CODES TOOLBAR (INS)

0101 Sensor supply "filling pressure in the circuit 1 "has a short to ground

0102 Sensor supply "filling pressure in the circuit 1 'has a short circuit to positive  
0104 Sensor input signal "pressure filling circuit 1 'does not reach the measuring area  
0105 Sensor input signal "pressure filling in the loop 1" is greater than the measurement  
area  
0201 Power Sensor "Filling pressure in circuit 2" is a short to ground  
0202 Power Sensor "Filling pressure in circuit 2" has short to positive  
0204 Sensor input signal "Filling pressure in circuit 2" does not reach the measuring  
area  
0205 Sensor input signal "pressure filling of circuit 2" is greater than the measurement  
area  
0301 cab locking system has a short circuit to ground  
0308 cab locking system is an open or short to positive  
0508 Fuel level sensor in the fuel tank is open or short circuit to positive  
0607 Input Terminal W is shorted to ground or open  
By 0901 cable has a short circuit to ground  
By 0902 cable is open or short circuit to positive  
1020 CAN vehicle bus fault  
1101 Digital input H1.18 / 12 invalid  
OR  
Digital input status H1.18 / 1 "Front interaxle lock" unreliable  
1102 Digital input H1.18 / 11 invalid  
OR  
Digital input status H1.18 / 2 "differential lock 1.Peredney axis" unreliable  
1103 Digital input H1.18 / 10 invalid  
OR  
Digital input status H1.18 / 3 "reserve funds washer" unreliable  
1104 Digital input H3.18 / 11 invalid  
OR  
Digital input status H1.18 / 4 "axle differential lock 1.Zadney" unreliable  
1105 Status of digital input H1.18 / 5 "differential lock 2.Peredney axis" unreliable  
1106 Status of digital input H1.18 / 6 "Locking the driver's cab on the left" unreliable



1107 Status of digital input H1.18 / 7 «Differential lock 2.Zadney axis" unreliable

1108 Status of digital input H1.18 / 8 "rear interaxle lock" unreliable

1109 Digital input H1.18 / 9 invalid

OR

Digital input status H1.18 / 9 "Locking the driver's cab on the right" unreliable

1110 Digital input H1.18 / 10 invalid

1111 Status of digital input H1.18 / 11 "PTO" unreliable

1112 Digital input H1.18 / 12 invalid

1113 Status of digital input H1.18 / 13 "Control lamps" unreliable

1114 Status of digital input H1.18 / 14 "oil level in the steering mechanism" unreliable

1115 Status of digital input H1.18 / 15 "trailer ABS fault" unreliable

1116 Status of digital input H2.18 / 9 "Contact us at the door" unreliable

1117 Status of digital input H3.18 / 11 "Steering with hydrostrengthening" unreliable

1118 Status of digital input H3.18 / 12 "The pressure in the circuit filling 4" unreliable

1119 Status inlet H3.18 / 13 "Terminal 58" unreliable

1120 Status of digital input H3.18 / 14 "Reserve" unreliable

1121 Status of digital input H3.18 / 16 "The pressure in the filling circuit 3" unreliable

1122 Status button "Back Zurück» unreliable

1123 The state of "Down Auf» button unreliable

1124 Status button "Up Ab» unreliable

1125 Status button "Selection Auswahl» unreliable

1126 Status button "Reset Reset» unreliable

1127 Status button "Plus Plus» unreliable

1128 Status button "Minus Minus» unreliable

1129 Condition "Set Set» button unreliable

1130 Status "Select Select» button unreliable

1131 Status of digital input H2.18 / 5 "Terminal 15" unreliable

1220 Failure of the connections between the module and the K-module n-

1321 Error in parameterization of K-module

1332 K-module is faulty

1333 K-module is faulty

1421 parameterization error in the control unit

OR

Parameterization error in the n-module

1432 Internal error in the control unit

OR

n-module is faulty

1520 CAN bus to the tachograph is faulty

OR

V-signal from the control unit FR offline

1903 Terminal 15 is open

1941 Overvoltage

OR

Over voltage at terminal 15

1942 Undervoltage at terminal 15

2001 Communication on the exchange of data with the address control unit 1 is broken

2002 Communication on the exchange of data with the control unit FR broken

2003 Communication on the exchange of data with the at 3 control unit is broken

2004 Communication on the exchange of data with the address control unit 4 is broken

2005 Communication on the exchange of data with the SPA control unit is broken

2006 Communication on the exchange of data with the PFA unit is broken

2007 Communication on the exchange of data with the FLA control unit is broken

2008 Communication on the exchange of data with KS control unit is broken

2009 Communication on the exchange of data with the GS control unit is broken

2010 Communication on the exchange of data with the address 10, the control unit is broken

2011 Communication on the exchange of data with the SIR control unit is broken

2012 Communication on the exchange of data with SIL control unit is broken

2013 Communication on the exchange of data with the control unit WSK broken

2014 Communication on the exchange of data with the ABS control unit is broken

2015 Communication on the exchange of data with the RS control unit is broken

2016 Communication on the exchange of data with the address 16, the control unit is broken

2017 Communication on the exchange of data with the control unit NR broken

2018 Communication on the exchange of data with the FFB control unit is broken

2019 Communication on the exchange of data with a ZV or KSA control unit is broken

2020 Communication on the exchange of data with the EKL control unit is broken

2021 Communication on the exchange of data with the address 21, the control unit is broken

2022 Communication on the exchange of data with the address 22, the control unit is broken

2023 Communication on the exchange of data with the address 23, the control unit is broken

2024 Communication on the exchange of data with the WS control unit is broken

2025 Communication on the exchange of data with the address 25, the control unit is broken

2026 Communication on the exchange of data with the KOM control unit is broken

2027 Communication on the exchange of data with the address 27, the control unit is broken

2028 Communication on the exchange of data with the control unit is broken HZR

2029 Communication on the ZHE data exchange with the control unit is broken

2030 Communication on the exchange of data with the address 30, the control unit is broken

2031 Communication on the exchange of data with the HPS control unit is broken

2032 Communication on the exchange of data with the address control unit 32 is broken

2033 Communication on the exchange of data with the address 33 control unit is broken

2034 Communication on the exchange of data with the address 34 of the control unit is broken

2035 Communication on the exchange of data with the address 35 control unit is broken

2036 Communication on the exchange of data with the BS control unit is broken

2037 Communication on the exchange of data with the address 37 control unit is broken

2038 Communication on the exchange of data with the control unit AGE broken

2039 Communication on the exchange of data with the address 39 of the control unit is broken

2040 Communication on the exchange of data with the MR control unit is broken

2041 Communication on the exchange of data with the address 41 of the control unit is broken

2042 Communication on the exchange of data with the SRS control unit is broken

2043 Communication on the exchange of data with the address 43 control unit is broken

2044 Communication on the exchange of data with the EDW control unit is broken

2045 Communication on the exchange of data with the address control unit 45 is broken

2046 Communication on the exchange of data with PSM control unit is broken

2047 Communication on the exchange of data with the control unit SRB broken

2048 Communication on the exchange of data with the address 48 control unit is broken

2049 Communication on the exchange of data with the control unit is broken ART

OR

Communication on the exchange of data with the address 49 control unit is broken

2050-2099 Communication on the exchange of data with the addresses by the control unit from 50 to 99 broken

2100 Communication on the exchange of data with the control unit AGE broken

2101-2104 Communication on the exchange of data with the addresses of the control unit 101 to 104 is broken

2105 Communication on the exchange of data with the ANH control unit is broken

2106-2109 Communication on the exchange of data with the addresses of the control unit 106 to 109 is broken

2110 Communication on the exchange of data with the AUF control unit is broken

2111-2199 Communication on the exchange of data with the addresses of the control unit 111 to 199 is broken

2515 Nor any text data is not put in the toolbar

3001 control unit at 1 defective

3002 FR control unit defective

3003 control unit at 3 defective

3004 control unit at 4 defective

SPA 3005 control unit defective

OR

The control unit 5 at defective

3006 PFA control unit defective

3007 Block FLA control defective

3008 GS Control unit defective

OR

KS control unit defective

3009 GS Control unit defective

3010 control unit at 10 defective

3011 SIR control unit defective

SIL 3012 control unit defective

3013 Block WSK control defective

3014 ABS control unit defective

3015 RS control unit defective

3016 to the address control unit 16 is not working properly

3017 NR control unit defective

3018 block FFB control defective

3018 block ZV control or defective KSA

3020 Block EKL control defective

3021-3023 at the address control unit from 21 to 23 is not working properly

3024 WS control unit defective

3025 control unit at 25 defective

3026 Block KOM control defective

3027 to the address control unit 27 is not working properly

3028 Block HZR control defective

3029 Block ZHE control defective

3030 control unit at 30 defective

3031 Block HPS control defective

3032-3035 at the address control unit from 32 to 35 is not working properly

BS 3036 control unit defective

3037 control unit at 37 defective  
3038 block AGE control defective  
3039 to the address control unit 39 is not working properly  
3040 MR control unit defective  
3041 to the address control unit 41 is not working properly  
3042 SRS control unit defective  
3043 to the address control unit 43 is not working properly  
EDW 3044 control unit defective  
3045 control unit at 45 defective  
3046 PSM control unit defective  
3047 Block SRB control defective  
3048 at 48 control unit defective  
3049 ART control unit defective  
OR

The control unit at 49 defective  
3050-3099 at the address control unit from 50 to 99 is not working properly  
3100 EAB control unit defective

## MERCEDES TRUCK LIST OF SPECIAL MODULE CONTROL UNIT FAULT CODES WITH PARAMETER SETTING (PSM) 2

4521 Output signal Contact X4 18/14 has short to positive or open circuit  
4541 Digital input 5 has a short to ground  
4542 Digital input 5 has short to positive  
4620 Output signal Contact X4 18/15 has a short to ground  
4621 Output signal Contact X4 18/15 has short to positive or open circuit  
4641 Digital input 6 has a short to ground  
4642 Digital input 6 has short to positive  
4720 Output signal Contact X4 18/16 has a short to ground  
4721 Output signal Contact X4 18/16 has short to positive or open circuit  
4820 Output signal Contact X4 18/17 has a short to ground

4821 Output signal Contact X4 18/17 has short to positive or open circuit

4920 Output signal Contact X4 18/18 has a short to ground

4921 Output signal Contact X4 18/18 has short to positive or open circuit

5020 Output "engine speed signal" (Contact X1 18/4) has a short to weight

5021 Output "engine speed signal" (Contact X1 18/4) has a short to plus or breakage

5080 Protective function for the power take-off are bridged by hand

5120 Output "Speed Signal" (Contact X1 18/5) has a short circuit to ground

5121 Output "Speed Signal" (Contact X1 18/5) has a short circuit to positive or open circuit

5220 Output "signal a predetermined parameter of the engine torque" (Contact X1 18/6) has a short short to ground

5221 Output "signal a predetermined parameter of the engine torque" (Contact X1 18/6) has a short circuit to positive or open circuit

5320 Output signal "Signal load limit" (Contact X1 18/7) has a short circuit to ground

5321 Output signal "Signal load limit" (Contact X1 18/7) has a short circuit to positive or breakage

5420 Output "signal PWM 1" (Contact X1 18/8) has a short circuit to ground

5421 output of the «PWM 1 signal" (Contact X1 18/8) has a short circuit to positive or open circuit

5520 output of the «PWM 2 Signal" (Contact X1 18/9) has a short circuit to ground

5521 output of the «PWM signal 2" (Contact X1 18/9) has a short circuit to positive or open circuit

6040 hand-held gas sensor input signal (Pin X1 18/11) has a short circuit to positive or open circuit

6041 hand-held gas sensor input signal (Pin X1 18/11) has a short circuit to ground

6042 hand-held gas sensor power cable (Contact X1 18/10) has a short circuit to ground

6043 hand-held gas sensor power cable (Contact X1 18/10) has a short circuit to positive

6140 Input "Starting the motor" (18/7 Contact X2) has a short circuit to ground

6141 Input "Starting the motor" (18/7 Contact X2) has a short circuit to positive

6240 Input "Engine Stop" (18/8 Contact X2) has a short circuit to ground

6241 Input "Engine Stop" (18/8 Contact X2) has a short circuit to positive

6340 Input Signal "Lock start" (18/9 Contact X2) has a short circuit to ground

6341 Input "immobilizer" (18/9 Contact X2) has a short circuit to positive

6440 Input "Switch steps" (Contact 18/13 X2) has a short circuit to ground

6441 Input "Switch steps" (Contact 18/13 X2) has a short circuit to positive

6540 Input "Remote clutch control" (Contact X4 18/4) has a short to weight

6541 Input "Remote clutch control" (Contact X4 18/4) has a short to a plus

6640 Input "Interference with ABS» (Contact X4 18/4) has a short circuit to ground

6641 Input "Interference with ABS» (Contact X4 18/4) has a short circuit to positive

6740 Input Signal "Survey rear input gear" (Contact X4 18/4) has a short circuit to ground

6741 Input Signal "Survey rear input gear" (Contact X4 18/4) has a short circuit to positive

6840 Input "transfer switch to the neutral position" (Contact X4 18/4) has a short short to ground

6841 Input "transfer switch to the neutral position" (Contact X4 18/4) has a short circuit to positive

6940 Input "State retarder" (Contact X4 18/5) has a short circuit to ground

6941 Input "State retarder" (Contact X4 18/5) has a short circuit to positive

7040 Input "parking brake" (Contact X4 18/5) has a short circuit to ground

7041 Input "parking brake" (Contact X4 18/5) has a short circuit to positive

8080 Protective function for the power take-off are bridged by hand.