597 Module foot brake switch 1. Short to Ground (FMI5). STOP warning light is amber. User functions are not limited. Electrical or mechanical failure of a foot brake module, faulty wiring or contacts in the connectors. Check wiring and connections between the EBS unit (A402) and the sensor module foot brake (V337) for insulation and continuity. Disconnect from the EBS unit (A402) and inspect the resistance between the contacts of a foot brake module _SIG1 (X1 / 5) and _GND (X1 / 4). R_SW1 open: R_SIG1 resistance value is less than 4.8 ohms or more 6.5 ohms. R_SW1 closed: resistance value R_SIG1 5.4-6.2 ohms. If the resistance values are outside of acceptable values, replace the module foot brake.

597 Module foot brake, switch on the power supply 1. Short Ubat (FMI6). STOP warning light is amber. User functions are not limited. Electrical or mechanical failure of a foot brake module, faulty wiring or contacts in the connectors. Check wiring and connections between the EBS unit (A402) and the sensor module foot brake (V337) for insulation and continuity. Disconnect from the EBS unit (A402) and inspect the resistance between the contacts of a foot brake module _SIG1 (X1 / 5) and _GND (X1 / 4). R_SW1 open: R_SIG1 resistance value is less than 4.8 ohms or more 6.5 ohms. R_SW1 closed: resistance value R_SIG1 5.4-6.2 ohms. If the resistance values are outside of acceptable values, replace the module foot brake.

603 Module foot brake switch 2. Short to Ground (FMI5). STOP warning light is amber. User functions are not limited. Electrical or mechanical failure of a foot brake module, faulty wiring or contacts in the connectors. Check the wiring of a foot brake module. If the wiring is OK, replace the module foot brake.

603 Module foot brake switch 2. Short to power supply Ubat (FMI6). STOP warning light is amber. User functions are not limited. Electrical or mechanical failure of a foot brake module, faulty wiring or contacts in the connectors. Check the wiring of a foot brake module. If the wiring is OK, replace the module foot brake.

609 The central control unit in the controller. Undefined fault (FMI0). STOP warning light lit in red, and red lights lamp total control of brakes. All user functions are disabled. Interrupted software download, damaged EBS microcontroller unit (A402). Update the software in EBS unit (A402), clear the fault memory. If the fault code appears again, replace the EBS unit (A402).

627 Power Supply. Not identified (FMI3). STOP warning light lit in red, and red lights lamp total control of brakes. All user functions are disabled. A break in the power supply circuit or defective EBS unit (A402). Check the connection terminals 30, the power supply circuit: UB_1 (X1 / 17), UB_2 (X1 / 16), GND_1 (X1 / 12), GND_2 (X1 / 11).

629 The central control device, and controller. Undefined fault (FMI0). STOP warning light lit in red, and red lights lamp total control of brakes. All user functions are disabled. Temporary fault condition. Temporarily switching to backup. For safety, the system performs a diagnostic test for the system.

639 Channel J1939 data CANtransmissii. No signal (FMI4). STOP warning light lit in red, and red lights lamp total control of brakes. All user functions are disabled. Defective unit EBS (A402). Clear the fault memory. If the fault code appears again, replace the EBS unit (A402).

639 Channel J1939, CAN powertrain. Open (FMI10). STOP warning light is amber. Switches the retarder, control ESP, control the adjustment of reference torque (DTC), dvigatedyaASR control, brake control ASR. Damaged wiring CAN data channel connection with the transmission, a fault in the power supply circuit or electromagnetic interference. Check wiring and wiring data channel transmission unit for continuity and insulation. Check the correct functioning of the control units associated with CANtransmissii. 645 channel data connection with tachograph timeout. No signal (FMI4). STOP warning light is amber. User functions are not limited. Electromagnetic interference, an external device is disconnected from the data channel, the external device sends a message, not all of a malfunction. Check wiring channel data for continuity and insulation. Check for proper operation of the external device.

746 differential lock valve. Short to Ground (FMI5). STOP warning light is amber. differential lock function is limited. Damaged wiring in the interlock circuit or defective EBS unit (A402). Clear the fault memory. Check wiring and connections between the EBS unit (A402) and lock the valve.

746 differential lock valve. Short to power supply Ubat (FMI6). STOP warning light lit in red, and red lights lamp total control of brakes. differential lock function is limited. Damaged wiring in the interlock circuit or defective EBS unit (A402). Clear the fault memory. Check wiring and connections between the EBS unit (A402) and lock the valve.

789 Sensor wheel speed, wheel 1. No signal (FMI4). STOP warning light is amber. Switches the control of
ABS, control ESP, control the adjustment of reference torque (DTC), the engine control ASR, brake control ASR. The large gap between the sensor and gear, damaged wiring, contacts in the connectors, sensor is faulty, damaged or defective gear modulator. Check the sensor resistance: 950-1930 ohms. Check wiring and contacts in the connectors between the modulator and the sensor. Check the integrity of gear. Check the clearance between the sensor and the gear. Check wheel bearing play. If the wiring, the sensor, gear, wheel bearing is OK, replace the modulator.

789 Sensor wheel speed, wheel 1. Short (FMI7). STOP warning light is amber. Switches the control of ABS, control ESP, control the adjustment of reference torque (DTC), the engine control ASR, brake control ASR. The closure between a wiring of different sensors or faulty modulator. Check the sensor resistance: 950-1930 ohms. Check wiring and contacts in the connectors between the modulator and the sensor. If the wiring and the sensor is normal, replace the modulator.

790 Sensor wheel speed, wheel 2. No signal (FMI4). STOP warning light is amber. Switches the control of ABS, control ESP, control the adjustment of reference torque (DTC), the engine control ASR, brake control ASR. The large gap between the sensor and gear, damaged wiring, contacts in the connectors, sensor is faulty, damaged or defective gear modulator. Check the sensor resistance: 950-1930 ohms. Check wiring and contacts in the connectors between the modulator and the sensor. Check the integrity of gear. Check the clearance between the sensor and the gear. Check wheel bearing play. If the wiring, the sensor, gear, wheel bearing is OK, replace the modulator.

791 Sensor wheel speed, wheel 3. No signal (FMI4). STOP warning light is amber. Switches the control of ABS, control ESP, control the adjustment of reference torque (DTC), the engine control ASR, brake control ASR. The large gap between the sensor and gear, damaged wiring, contacts in the connectors, sensor is faulty, damaged or defective gear modulator. Check the sensor resistance: 950-1930 ohms. Check wiring and contacts in the connectors between the modulator and the sensor. Check the integrity of gear. Check the clearance between the sensor and the gear. Check wheel bearing play. If the wiring, the sensor, gear, wheel bearing is OK, replace the modulator.

792 Sensor wheel speed, wheel 4. No signal (FMI4). STOP warning light is amber. Switches the control of ABS, control ESP, control the adjustment of reference torque (DTC), the engine control ASR, brake control ASR. The large gap between the sensor and gear, damaged wiring, contacts in the connectors, sensor is faulty, damaged or defective gear modulator. Check the sensor resistance: 950-1930 ohms. Check wiring and contacts in the connectors between the modulator and the sensor. Check the integrity of gear. Check the clearance between the sensor and the gear. Check wheel bearing play. If the wiring, the sensor, gear, wheel bearing is OK, replace the modulator.

793 Sensor wheel speed, wheel 5. No signal (FMI4). STOP warning light is amber. Switches the control of ABS, control ESP, control the adjustment of reference torque (DTC), the engine control ASR, brake control ASR. The large gap between the sensor and gear, damaged wiring, contacts in the connectors, sensor is faulty, damaged or defective gear modulator. Check the sensor resistance: 950-1930 ohms. Check wiring and contacts in the connectors between the modulator and the sensor. Check the integrity of gear. Check the clearance between the sensor and the gear. Check wheel bearing play. If the wiring, the sensor, gear, wheel bearing is OK, replace the modulator.
ASR. The closure between a wiring of different sensors or faulty modulator. Check the sensor resistance: 950-1930 ohms. Check wiring and contacts in the connectors between the modulator and the sensor. If the wiring and the sensor is normal, replace the modulator.

974 Sensor wheel speed, wheel 6. No signal (FMI4). STOP warning light is amber. Switches the control of ABS, control ESP, control the adjustment of reference torque (DTC), the engine control ASR, brake control ASR. The closure between a wiring of different sensors or faulty modulator. Check the sensor resistance: 950-1930 ohms. Check wiring and contacts in the connectors between the modulator and the sensor. If the wiring and the sensor is normal, replace the modulator.

974 Sensor wheel speed, wheel 6. Closing (FMI7). STOP warning light is amber. Switches the control of ABS, control ESP, control the adjustment of reference torque (DTC), the engine control ASR, brake control ASR. The closure between a wiring of different sensors or faulty modulator. Check the sensor resistance: 950-1930 ohms. Check wiring and contacts in the connectors between the modulator and the sensor. If the wiring and the sensor is normal, replace the modulator.

950 Sensor wheel speed, wheel 6. Closing (FMI7). STOP warning light is amber. Switches the control of ABS, control ESP, control the adjustment of reference torque (DTC), the engine control ASR, brake control ASR. The closure between a wiring of different sensors or faulty modulator. Check the sensor resistance: 950-1930 ohms. Check wiring and contacts in the connectors between the modulator and the sensor. If the wiring and the sensor is normal, replace the modulator.

950 Sensor wheel speed, wheel 6. No signal (FMI4). STOP warning light is amber. Switches the control of ABS, control ESP, control the adjustment of reference torque (DTC), the engine control ASR, brake control ASR. The closure between a wiring of different sensors or faulty modulator. Check the sensor resistance: 950-1930 ohms. Check wiring and contacts in the connectors between the modulator and the sensor. If the wiring and the sensor is normal, replace the modulator.
lamp total control of brakes. Switches the control of ABS, the ESP control. Damaged wiring in the modulator circuit, defective or EBS modulator unit (A402). Clear the fault memory. Check the wiring between the EBS unit (A402) and the modulator. If the wiring is OK, replace the modulator.

938 pressure control valve, exhaust valve, left. Open (FM110). STOP warning light lit in red, and red lights lamp total control of brakes. Switches the control of ABS, the ESP control. Damaged wiring in the modulator circuit, defective or EBS modulator unit (A402). Clear the fault memory. Check the wiring between the EBS unit (A402) and the modulator. If the wiring is OK, replace the modulator.

939 pressure control valve, exhaust valve, right. Short to Ground (FM15). STOP warning light lit in red, and red lights lamp total control of brakes. Switches the control of ABS, the ESP control. Damaged wiring in the modulator circuit, defective or EBS modulator unit (A402). Clear the fault memory. Check the wiring between the EBS unit (A402) and the modulator. If the wiring is OK, replace the modulator.

1042 ISO 11992 data channel (CAN trailer), the data channel is off. Open (FM110). STOP warning light is amber. Limited braking force of the trailer. Electromagnetic interference, faulty data channel wiring ISO 11992. Check CAN trailer wiring for breaks and short circuits. Check the correct operation of external devices connected to the CAN trailer.

1056 module trailer control, adjustable maximum pressure. Not identified (FM13). STOP warning light is amber. Disabled control brake force train. Pressure transducer faulty trailer control module (Y278), too much air pressure at the inlet of the trailer control module (Y278). Check the air pressure at the inlet of the trailer control module, if the pressure is normal, replace the module (Y278).

1057 Central control unit in the controller, there is no response to the air pressure sensor of the trailer control module if there is no braking. Not identified (FM13). STOP warning light lit in red, and red lights lamp total control of brakes. All user functions are disabled. Faulty microprocessor to EBS unit (A402). Replace EBS unit (A402).

1058 module trailer control pressure sensor. Too high (FM11). STOP warning light is amber. Limited braking force of the trailer. Faulty wiring, or EBS pressure sensor unit (A402). Ochistit recorder malfunctions, check the wiring and contacts in the connectors between the EBS unit (A402) and the trailer control module (Y278). Check pressure sensor supply trailer control module. Disconnect the X4 from the EBS unit (A402), and check the voltage between EBS unit (A402) with the ignition on: between terminals X1 / 12 (mass) and X4 / 1 (power supply trailer control module) should be approximately 5 volts between contacts X1 / 12 (mass) and X4 / 3 (the mass of a trailer control module) must be equal to 0 volts between contacts X1 / 2 (w) and X4 / 2 (signal a trailer control module) must be equal to 0V. If a fault in the wiring of the sensor is not found, and the supply voltage is correct, replace the trailer control module (Y278).

1058 module trailer control pressure sensor. Too low (FM12). STOP warning light is amber. Limited braking force of the trailer. Faulty wiring, or EBS pressure sensor unit (A402). Clear fault memory, check the wiring and contacts in the connectors between the EBS unit (A402) and the trailer control module (Y278). Check the air pressure at the inlet of the trailer control unit, must not exceed 8.5 bar. Check pressure sensor supply trailer control module. Disconnect the X4 from the EBS unit (A402), and check the voltage between EBS unit (A402) with the ignition on: between terminals X1 / 12 (mass) and X4 / 1 (power supply trailer control module) should be approximately 5 volts between contacts X1 / 12 (mass) and X4 / 3 (the mass of a trailer control module) must be equal to 0 volts between contacts X1 / 2 (w) and X4 / 2 (signal a trailer control module) must be equal to 0V. If a fault in the wiring of the sensor is not found, and the supply voltage is correct, replace the trailer control module (Y278).

1058 module trailer control pressure sensor. Wrong signal (FM18). STOP warning light is amber. Limited braking force of the trailer. Faulty wiring, or EBS pressure sensor unit (A402). Clear fault memory, check the
wiring and contacts in the connectors between the EBS unit (A402) and the trailer control module (Y278). Check pressure sensor supply trailer control module. Disconnect the X4 from the EBS unit (A402), and check the voltage between EBS unit (A402) with the ignition on: between terminals X1 / 12 (mass) and X4 / 1 (power supply trailer control module) should be approximately 5 volts between contacts X1 / 12 (mass) and X4 / 3 (the mass of a trailer control module) must be equal to 0 volts between contacts X1 / 2 (w) and X4 / 2 (signal a trailer control module) must be equal to 0V. If a fault in the wiring of the sensor is not found, and the supply voltage is correct, replace the trailer control module (Y278).

1060 Wear indicators for brake pads, wheel 1. Too high (FMI1). STOP warning light is amber. Disabled wear control pad. Damaged wiring between the modulator and the sensor pad wear, wear faulty sensor or modulator. Check wiring and replace the sensor wear. If the wiring and the sensor is normal, replace the modulator.

1060 Wear indicators for brake pads, wheel 1 is too low (FMI2). STOP warning light is amber. Disabled wear control pad. Damaged wiring between the modulator and the sensor pad wear, wear faulty sensor or modulator. Check wiring and replace the sensor wear. If the wiring and the sensor is normal, replace the modulator.

1061 Wear indicators for brake pads, wheel 2. Too high (FMI1). STOP warning light is amber. Disabled wear control pad. Damaged wiring between the modulator and the sensor pad wear, wear faulty sensor or modulator. Check wiring and replace the sensor wear. If the wiring and the sensor is normal, replace the modulator.

1061 Wear indicators for brake pads, wheel 2. Too Low (FMI2). STOP warning light is amber. Disabled wear control pad. Damaged wiring between the modulator and the sensor pad wear, wear faulty sensor or modulator. Check wiring and replace the sensor wear. If the wiring and the sensor is normal, replace the modulator.

1062 Wear indicators for brake pads, wheel 3. Too high (FMI1). STOP warning light is amber. Disabled wear control pad. Damaged wiring between the modulator and the sensor pad wear, wear faulty sensor or modulator. Check wiring and replace the sensor wear. If the wiring and the sensor is normal, replace the modulator.

1062 Wear indicators for brake pads, wheel 3. Too Low (FMI2). STOP warning light is amber. Disabled wear control pad. Damaged wiring between the modulator and the sensor pad wear, wear faulty sensor or modulator. Check wiring and replace the sensor wear. If the wiring and the sensor is normal, replace the modulator.

1063 Wear indicators for brake pads, wheel 4. Too high (FMI1). STOP warning light is amber. Disabled wear control pad. Damaged wiring between the modulator and the sensor pad wear, wear faulty sensor or modulator. Check wiring and replace the sensor wear. If the wiring and the sensor is normal, replace the modulator.

1063 Wear indicators for brake pads, wheel 4. Too Low (FMI2). STOP warning light is amber. Disabled wear control pad. Damaged wiring between the modulator and the sensor pad wear, wear faulty sensor or modulator. Check wiring and replace the sensor wear. If the wiring and the sensor is normal, replace the modulator.

1064 Wear indicators for brake pads, wheel 5. Too high (FMI1). STOP warning light is amber. Disabled wear control pad. Damaged wiring between the modulator and the sensor pad wear, wear faulty sensor or modulator. Check wiring and replace the sensor wear. If the wiring and the sensor is normal, replace the modulator.

1064 Wear indicators for brake pads, wheel 5. Too low (FMI2). STOP warning light is amber. Disabled wear control pad. Damaged wiring between the modulator and the sensor pad wear, wear faulty sensor or modulator. Check wiring and replace the sensor wear. If the wiring and the sensor is normal, replace the modulator.

1065 Wear indicators for brake pads, wheel 6. Too high (FMI1). STOP warning light is amber. Disabled wear control pad. Damaged wiring between the modulator and the sensor pad wear, wear faulty sensor or modulator. Check wiring and replace the sensor wear. If the wiring and the sensor is normal, replace the modulator.

1065 Wear indicators for brake pads, wheel 6. Too Low (FMI2). STOP warning light is amber. Disabled wear control pad. Damaged wiring between the modulator and the sensor pad wear, wear faulty sensor or modulator. Check wiring and replace the sensor wear. If the wiring and the sensor is normal, replace the modulator.

1066 Module foot brake. Undefined fault (FMI0). STOP warning light is amber. User functions are not
limited. Foot brake not fully released due to improper installation of a foot brake module. Incorrect module parameters or the foot brake is faulty EBS unit (A402). Check switch module 1 state of a foot brake with the diagnostic tool. If the state of the passive switch, clear the fault logger, replace EBS unit (A402) during the second DTC. If the state of the switch active, verify the installation of a foot brake module. Remove the foot brake module, plug connectors and check the condition of the circuit breaker 1 with the diagnostic tool, if the state of the passive switch, the installation of the module was not true, if the condition of the remaining active, replace the module foot brake.

1066 Module foot brake. Not identified (FMI3). STOP warning light lit in red, and red lights lamp total control of brakes. All user functions are disabled. Mechanical failure in the foot brake module, sensor wear, incorrect resistance at the contacts. Check wiring and contacts in the connectors between blokomEBS (A402) and the corresponding sensor module load brake foot brake for continuity and insulation. If the wiring is OK, disconnect the EBS unit (A402) and inspect the resistance potentiometers between the contacts module foot brake SIG1 (X1 / 5) and GND (X1 / 4) between the contacts module foot brake SIG1 (X1 / 5) and SPL (X1 / 7) from the cable: R_SIG1 = from 4.2 ohms to 7.5 ohms (with increasing stroke length: resistance between signal and ground is increased between the signal and power decreases). Check the resistance between the potentiometer of the module contacts the foot brake SIG2 (X1 / 8) and GND (X1 / 4) between the contacts of a foot brake module SIG2 (X1 / 8) and SPL (X1 / 7) from the cable: R_SIG1 = 4.2 ohms to 2 ohms (with an increase in the length of the course: the resistance between the signal and the mass decreases, between the signal and power increases). If the resistance value is outside the permitted area, replace the module foot brake.

1066 Module foot brake. Short (FMI7). STOP warning light lit in red, and red lights lamp total control of brakes. All user functions are disabled. Electrical fault in the sensor unit in the wiring or a faulty unit EBS (A402). Check wiring and contacts in the connectors between the EBS unit (A402) and the corresponding sensor module load brake foot brake for continuity and insulation. If the wiring is OK, disconnect the EBS unit (A402) and inspect the resistance potentiometers between the contacts module foot brake SIG1 (X1 / 5) and GND (X1 / 4) between the contacts module foot brake SIG1 (X1 / 5) and SPL (X1 / 7) from the cable: R_SIG1 = from 4.2 ohms to 7.5 ohms (with increasing stroke length: resistance between signal and ground is increased between the signal and power decreases). Check the resistance between the potentiometer of the module contacts the foot brake SIG2 (X1 / 8) and GND (X1 / 4) between the contacts of a foot brake module SIG2 (X1 / 8) and SPL (X1 / 7) from the cable: R_SIG1 = 4.2 ohms to 2 ohms (with an increase in the length of the course: the resistance between the signal and the mass decreases, between the signal and power increases). If the resistance value is outside the permitted area, replace the module foot brake.

1066 Module foot brake. Wrong signal (FMI8). STOP warning light lit in red, and red lights lamp total control of brakes. All user functions are disabled. the brake pedal may not return to the released state due to a mechanical lock or damaged foot brake module. Check and, if necessary, correct the installation of a foot brake module (especially in the case of a mechanical lock). If the foot brake module is correctly installed, replace the module foot brake.

1067 Module foot brake, signal 1. Short to Ground (FMI5). STOP warning light lit in red, and red lights lamp total control of brakes. All user functions are disabled. Mechanical failure in the foot brake module, sensor wear, incorrect resistance at the contacts. Check wiring and contacts in the connectors between the EBS unit (A402) and the corresponding sensor module load brake foot brake for continuity and insulation. If the wiring is OK, disconnect the EBS unit (A402) and inspect the resistance potentiometers between the contacts module foot brake SIG1 (X1 / 5) and GND (X1 / 4) between the contacts module foot brake SIG1 (X1 / 5) and SPL (X1 / 7) from the cable: R_SIG1 = from 4.2 ohms to 7.5 ohms (with increasing stroke length: resistance between signal and ground is increased between the signal and power decreases). Check the resistance between the potentiometer of the module contacts the foot brake SIG2 (X1 / 8) and GND (X1 / 4) between the contacts of a foot brake module SIG2 (X1 / 8) and SPL (X1 / 7) from the cable: R_SIG1 = 4.2 ohms to 2 ohms (with an increase in the length of the course: the resistance between the signal and the mass decreases, between the signal and power increases). If the resistance value is outside the permitted area, replace the module foot brake.

1067 foot brake module, the signal 1 circuit to supply Ubat (FMI6). STOP warning light lit in red, and red lights lamp total control of brakes. Mechanical failure in the foot brake module, sensor wear, incorrect resistance at the contacts. Check wiring and contacts in the connectors between the EBS unit (A402) and the corresponding sensor module load brake foot brake for continuity and insulation. If the wiring is OK, disconnect the EBS unit (A402) and inspect the resistance potentiometers between the contacts module foot brake SIG1 (X1 / 5) and GND (X1 / 4) between the contacts module foot brake SIG1 (X1 / 5) and SPL (X1 /
7) from the cable: $R_{SIG1}$ = from 4.2 ohms to 7.5 ohms (with increasing stroke length: resistance between signal and ground is increased between the signal and power decreases).

4032 Central control unit, EEPROM memory checksum error in the block, the overall configuration of the ISR. Wrong signal (FMI8). STOP warning light lit in red, and red lights lamp total control of brakes. All user functions are disabled. Failure in the memory, the failure of one of the communication microcontroller hardware damage EBS unit (A402). Download software EBS unit (A402).

4033 Central control unit, EEPROM memory, an unknown value in the block, its own configuration ISR. Not identified (FMI3). STOP warning light lit in red, and red lights lamp total control of brakes. All user functions are disabled. in memory failure or not fully installed the software in EBS unit (A402). Download software EBS unit (A402).

4034 Central control unit, EEPROM memory checksum error in the block, its own configuration of the ISR. Wrong signal (FMI8). STOP warning light lit in red, and red lights lamp total control of brakes. All user functions are disabled. Failure in the memory, the failure of one of the communication microcontroller hardware damage EBS unit (A402). Download software EBS unit (A402).

4035 Central control unit, EEPROM memory, an unknown value in the block, a private konfiguratsiyaABS. Not identified (FMI3). STOP warning light lit in red, and red lights lamp total control of brakes. All user functions are disabled. in memory failure or not fully installed the software in EBS unit (A402). Download software EBS unit (A402).

4036 Central control unit, EEPROM memory checksum error in the block, a private konfiguratsiyaABS. Wrong signal (FMI8). STOP warning light lit in red, and red lights lamp total control of brakes. All user functions are disabled. Failure in the memory, the failure of one of the communication microcontroller hardware damage EBS unit (A402). Download software EBS unit (A402).

4037 Central control unit, EEPROM memory, an unknown value in the block, a private konfiguratsiyaASR. Not identified (FMI3). STOP warning light lit in red, and red lights lamp total control of brakes. All user functions are disabled. in memory failure or not fully installed the software in EBS unit (A402). Download software EBS unit (A402).

4038 Central control unit, EEPROM memory checksum error in the block, a private konfiguratsiyaASR. Wrong signal (FMI8). STOP warning light lit in red, and red lights lamp total control of brakes. All user functions are disabled. Failure in the memory, the failure of one of the communication microcontroller hardware damage EBS unit (A402). Download software EBS unit (A402).

4039 Central control unit, EEPROM memory, an unknown value in the block, the overall configuration of the ESP. Not identified (FMI3). STOP warning light lit in red, and red lights lamp total control of brakes. All user functions are disabled. in memory failure or not fully installed the software in EBS unit (A402). Download software EBS unit (A402).

4040 Central control unit, EEPROM memory checksum error in the block, the overall configuration of the ESP. Wrong signal (FMI8). STOP warning light lit in red, and red lights lamp total control of brakes. All user functions are disabled. Failure in the memory, the failure of one of the communication microcontroller hardware damage EBS unit (A402). Download software EBS unit (A402).

4041 Central control unit, EEPROM memory, an unknown value in the block, ESP own configuration. Not identified (FMI3). STOP warning light lit in red, and red lights lamp total control of brakes. All user functions are disabled. in memory failure or not fully installed the software in EBS unit (A402). Download software EBS unit (A402).

4042 Central control unit, EEPROM memory checksum error in the block, ESP own configuration. Wrong signal (FMI8). STOP warning light lit in red, and red lights lamp total control of brakes. All user functions are disabled. Failure in the memory, the failure of one of the communication microcontroller hardware damage EBS unit (A402). Download software EBS unit (A402).

4043 Central control unit, EEPROM memory, an unknown value in the block configuration of the site identification. Not identified (FMI3). STOP warning light lit in red, and red lights lamp total control of brakes. All user functions are disabled. in memory failure or not fully installed the software in EBS unit (A402). Download software EBS unit (A402).

4044 Central control unit, EEPROM memory checksum error in the block, site identification configuration. Wrong signal (FMI8). STOP warning light lit in red, and red lights lamp total control of brakes. All user functions are disabled. Failure in the memory, the failure of one of the communication microcontroller hardware damage EBS unit (A402). Download software EBS unit (A402).

4045 Central control unit, EEPROM memory, the unknown value of the fault recorder. Not identified (FMI3). STOP warning light lit in red, and red lights lamp total control of brakes. All user functions are disabled.
Failure memory EBS unit (A402). Switch off the ignition for at least 10 seconds after turning on the clear fault logger. If the error appears again, replace the EBS unit (A402).

4046 Central control unit, EEPROM memory checksum error of the fault recorder. Wrong signal (FM18). STOP warning light lit in red, and red lights lamp total control of brakes. All user functions are disabled. Failure memory EBS unit (A402). Switch off the ignition for at least 10 seconds after turning on the clear fault logger. If the error appears again, replace the EBS unit (A402).

4047 Central control unit, EEPROM memory, an unknown value in the block configuration of the bridge. Not identified (FM13). STOP warning light lit in red, and red lights lamp total control of brakes. All user functions are disabled. in memory failure or not fully installed the software in EBS unit (A402). Download software EBS unit (A402).

4048 Central control unit, EEPROM memory checksum error in the block, aligning EBS data. Wrong signal (FM18). STOP warning light lit in red, and red lights lamp total control of brakes. All user functions are disabled. Failure memory EBS unit (A402). Switch off the ignition for at least 10 seconds after turning on the clear fault logger. If the error appears again, replace the EBS unit (A402).

4049 Central control unit, EEPROM memory checksum error in the block, its own test. Wrong signal (FM18). STOP warning light lit in red, and red lights lamp total control of brakes. All user functions are disabled. Failure in the memory, the failure of one of the communication microcontroller hardware damage EBS unit (A402). Download software EBS unit (A402).

4050 CAN brakes. Undefined fault (FM10). STOP warning light lit in red, and red lights lamp total control of brakes. Switches the retarder, control ABS, control ESP, wear control pad, tilt protection, control coupling force adjustment, adjust the control torque reference kontrolASR. Failure EEPROM memory of one of the modulators. Download software EBS unit (A402). If the problem persists, disconnect the modulator each one, before switching off the ignition switch off, check for errors after each trip modulator. Replace the modulator, followed by failure, failure manifestation stopped.

4051 ESP sensor - CAN, the data channel is off. Open (FM10). STOP warning light is amber. Off control ESP. Electromagnetic interference fault sensor wiring connections and data channel circuit inside the sensor. Check wiring data channel connection with the sensor.

4052 Power, the difference between the voltages at terminal 30 (Ubat.) And terminal 15 (+ ignition on). Not identified (FM13). STOP warning light is amber. User functions are not limited. Damaged power wiring or damaged hardware EBS unit (A402). Check UZ supply circuit (X1 / 13); UB_1 (X1 / 17); GND_1 (X1 / 12). 4052 Power, the difference between the voltages at terminal 30 (Ubat.) And terminal 15 (+ ignition on). Wrong signal (FM18). STOP warning light is amber. User functions are not limited. Defective comparator circuit (comparator) in the food chain (UZ) EBS control unit (A402). Switch off the ignition for at least 10 seconds after turning on the clear fault logger. If the error appears again, replace the EBS unit (A402).

4053 Weight 2. Not identified (FM13). STOP warning light in red, and red lights lamp total control of brakes. Switches the retarder, control ABS, control ESP, wear control pad, tilt protection, control coupling force adjustment control adjustment of the moment of reference, control ASR. Electromagnetic interference, faulty wiring of the data channel, a faulty power wiring. Check wiring and contacts in the connectors CAN brakes.

4054 Central control unit in the controller, the error in the software. Not identified (FM13). STOP warning light lit in red, and red lights lamp total control of brakes. All user functions are disabled. The memory device in the EBS unit (A402) includes a defective cell. Replace EBS unit (A402).

4055 ASR, incorrect configuration. Wrong signal (FM18). STOP warning light lit in red, and red lights lamp total control of brakes. Disable function against slipping wheels. Incorrect parameters to configure the ISC or defective EBS unit (A402). Download software EBS unit (A402). Switch off the ignition for at least 10 seconds after turning on the clear fault logger. If the error appears again, replace the EBS unit (A402).

4056 Central control unit, turn off the delay, a fault in the electronic circuit. Faulty devices (FM19). STOP warning light is amber. User functions are not limited. Defective unit EBS locked loop (A402). Switch off the ignition for at least 10 seconds after turning on the clear fault logger. If the error appears again, replace the EBS unit (A402).

4057 pressure control valve. Short to Ground (FM15). STOP warning light lit in red, and red lights lamp total control of brakes. All user functions are disabled. The memory device in the EBS unit (A402) includes a defective cell. Replace EBS unit (A402).
control of brakes. User functions are not limited. Damaged wiring between the pressure control valve and EBS unit (A402). Clear the fault memory. Check wiring and connectors all the contacts in the pressure control valve for circuits with other wires.

4057 pressure control valve. Short to power supply Ubat (FMI6). STOP warning light lit in red, and red lights lamp total control of brakes. Offline: kontrolABS, control ESP. Damaged wiring between the pressure control valve and EBS unit (A402). Clear the fault memory. Check wiring and connectors all the contacts in the pressure control valve for circuits with other wires.

4058 sensor steering angle, the link data channel (CAN). No signal (FMI4). STOP warning light is amber. Off control ESP. The steering wheel angle sensor is not connected to the EBS unit (A402). If this fault appears simultaneously with Fault "yaw sensor: connection interrupted", the sensor is defective steering angle. Faulty wiring is a data channel. Short between CAN-low sensor and CAN-high sensor or other circuit. Check wiring CAN-sensor (X3 / 7, X3 / 4) and the connector to the EBS unit (A402) for continuity. Check power supply (X3 / 10, X3 / 1) sensors ESP 8,3-14,5 B. Check wiring rotation angle sensor and EBS unit (A402). If the fault is displayed as 4063 (yaw angle sensor, communication CAN), check wiring yaw sensor, steering angle sensor, EBS unit (A402). If the wiring is OK, replace the EBS unit (A402).

4059 sensor steering angle signal. Too high (FMI1). STOP warning light is amber. Off control ESP. Incorrectly calibrated or installed steering wheel angle sensor (V475). Check sensor mounting (V476). Check if the track width and wheelbase. Check calibration vehicle speed does not match the speed of the wheels. If the steering is normal, replace the steering wheel angle sensor (V475).

4060 sensor steering angle, is not configured. Faulty devices (FMI9). STOP warning light lit in red, and red lights lamp total control of brakes. Off control ESP. The sensor is installed but not configured. Upload new software.

4061 Sensor vrascheniyaESP speed defective quick correction. Undefined fault (FMI0). STOP warning light is amber. Off control ESP. Internal transmitter failure. Replace speed sensor (V476).

4062 Speed sensor signal. Too high (FMI1). STOP warning light is amber. Off control ESP. Internal transmitter failure. Replace speed sensor (V476).

4063 Speed sensor, communication via the data channel (CAN). No signal (FMI4). STOP warning light is amber. Off control ESP. No connection speed sensor (V476) to the EBS unit (A402). If this fault appears simultaneously with Fault "yaw sensor: connection interrupted", is defective speed sensor. Faulty wiring is a data channel. Short between CAN-low sensor and CAN-high sensor or other circuit. Check wiring CAN-sensor (X3 / 7, X3 / 4) and the connector to the EBS unit (A402) for continuity. Check power supply (X3 / 10, X3 / 1) sensors ESP 8,3-14,5 B. If the wiring is correct, but the problem appears, replace the speed sensor (V476) if after replacing speed sensor malfunction manifests replace EBS unit (A402).

4064 angle sensor Yaw, incorrect installation. Undefined fault (FMI0). STOP warning light is amber. Off control ESP. Sensor incorrectly installed or defective. Check the installation. If the installation is correct, replace the speed sensor (V476).

4065 Speed sensor, an error in the long-term calibration. Undefined fault (FMI0). STOP warning light is amber. Off control ESP. Sensor incorrectly installed or defective. Check the installation. If the installation is
correct, replace the speed sensor (V476).

4067 Speed sensor signal. Too high (FM11). STOP warning light is amber. Off control ESP. Sensor incorrectly installed or defective. Check sensor installation. If the installation is correct, replace the speed sensor (V476).

4067 Speed sensor signal. Not identified (FM13). STOP warning light is amber. Off control ESP. Sensor incorrectly installed or is not correctly calibrated displacement sensor (EBS unit after the replacement is not performed calibration stationary). If replacement EBS unit (A402), calibrate stationary. Check sensor installation. If the installation is correct, replace the speed sensor (V476).

4068 Speed sensor steering angle, an error in the long-term calibration. Undefined fault (FM10). STOP warning light is amber. Off control ESP. Sensor incorrectly installed or calibrated. Faulty steering or faulty sensor. Check mounting angle sensor (B475). Check sensor calibration is correct (0 degrees in the forward direction). Check steering geometry and condition on the documentation. If the problem still appears, replace the steering wheel angle sensor (V475).

Sensor 4069 steering angle signal is not identified with respect to the base speed. Not identified (FM13). STOP warning light is amber. Off control ESP. Sensor incorrectly installed or calibrated. The width of the track or the base does not meet the specifications of the car. Calibration vehicle speed does not match the speed of the wheels. Damaged steering system. Check mounting angle sensor (B475). Check sensor calibration is correct (0 degrees in the forward direction). Check steering system for backlash and grade fasteners. Check if the track width and wheelbase. Check calibration value rate. If no fault is found, replace the speed sensor (V475).

4070 ESP sensor power. Too high (FM11). STOP warning light is amber. Off control ESP. Damaged ESP sensor wiring damaged sensor or EBS unit (A402). Ignition OFF, disconnect the ESP connector (X3) of the EBS unit (A402), turn on the ignition again. a) If the problem does not occur, the faulty wiring or a sensor unit. Check wiring. If the wiring is correct, plug connector (X3) to the EBS unit (A402), disconnect the sensor unit, turn on the ignition, if the fault has ceased to appear, replace the sensor unit. If the problem reoccurs, check the other sensor unit (during the test will manifest failure of interruption due to datchikomESP, these faults should be ignored and removed after testing is complete). b) If a malfunction of the sensor power is manifested in a disconnected connector ESP (X3), the unit is defective EBS (A402).

4072 ESP sensor power. Too low (FM12). STOP warning light is amber. Off control ESP. Damaged ESP sensor wiring damaged sensor or EBS unit (A402). Ignition OFF, disconnect the ESP connector (X3) of the EBS unit (A402), turn on the ignition again. a) If the problem does not occur, the faulty wiring or a sensor unit. Check wiring. If the wiring is correct, plug connector (X3) to the EBS unit (A402), disconnect the sensor unit, turn on the ignition, if the fault has ceased to appear, replace the sensor unit. If the problem reoccurs, check the other sensor unit (during the test will manifest failure of interruption due to the ESP sensor, the fault should be ignored and removed after testing is complete). b) If a malfunction of the sensor power is manifested in a disconnected connector ESP (X3), the unit is defective EBS (A402).

4073 Module foot brake power. Too high (FM11). STOP warning light lit in red, and red lights lamp total control of brakes. All user functions are disabled. Defective wiring or internal hardware EBS unit (A402). Check wiring and connector foot brake module (X1 / 4 + X1 / 7 -).
4073 Module foot brake power. Too low (FMI2). STOP warning light lit in red, and red lights lamp total control of brakes. All user functions are disabled. Defective wiring or internal hardware EBS unit (A402). Check wiring and connector module of a foot brake. If the wiring and connector OK, disconnect the EBS unit (A402), check the resistance of the potentiometer between FBM_SIG1 (X1 / 5) and FBM_GND (X1 / 4) and between FBM_SIG1 (X1 / 5) and FBM_SPL (X1 / 7) from the side harness R_SIG1 = 4,2 k-7,5kOm (by increasing stroke length: the resistance between ground and the signal increases between the signal and power decreases), check the resistance of the potentiometer between FBM_SIG2 (X1 / 8) and FBM_GND (X1 / 4) between FBM_SIG2 (X1 / 8) and FBM_SPL (X1 / 7) from the harness side R_SIG1 wires = 4.2 ohm 2 ohms (with an increase in stroke: the resistance between the signal and the ground decreases, between the signal and power increases). If the resistance is outside allowable value, replace the module foot brake.

4074 pressure control module, the software is out of date. Undefined fault (FMI0). STOP warning light lit in red, and red lights lamp total control of brakes. Switches the retarder, control ABS, control ESP, wear control pad, tilt protection, control coupling force adjustment control adjustment of the moment of reference, control ASR. The elements of the pressure control software module is not compatible. Check that the brake system is activated using the foot brake (switch on the ignition without pressing the brake pedal). Malfunction of the corresponding module is activated automatically when the ignition is switched on. Follow the troubleshooting algorithm for manifest error.

4075 pressure control module and EBS unit (A402), unstable software. Undefined fault (FMI0). STOP warning light lit in red, and red lights lamp total control of brakes. Switches the retarder, control ABS, control ESP, wear control pad, tilt protection, control coupling force adjustment control adjustment of the moment of reference, control ASR. The elements of the pressure control software module is not compatible. Check that the brake system is activated using the foot brake (switch on the ignition without pressing the brake pedal). Malfunction of the corresponding module is activated automatically when the ignition is switched on. Follow the troubleshooting algorithm for manifest error.

4076 pressure control unit, a checksum error in the external memory. Undefined fault (FMI0). STOP warning light lit in red, and red lights lamp total control of brakes. Switches the retarder, control ABS, control ESP, wear control pad, tilt protection, control coupling force adjustment control adjustment of the moment of reference, control ASR. The elements of the pressure control software module is not compatible. Check that the brake system is activated using the foot brake (switch on the ignition without pressing the brake pedal). Malfunction of the corresponding module is activated automatically when the ignition is switched on. Follow the troubleshooting algorithm for manifest error.

4077 pressure control module is not configured. Undefined fault (FMI0). STOP warning light lit in red, and red lights lamp total control of brakes. Switches the retarder, control ABS, control ESP, wear control pad, tilt protection, control coupling force adjustment control adjustment of the moment of reference, control ASR. Components installed but not configured, damaged wiring or faulty EBS unit (A402). Check the installed configuration. Check wiring and contacts in the connectors.

4078 module trailer control valve inlet. Short to power supply Ubat (FMI6). STOP warning light is amber. Braking force coupling is disconnected. Defective wiring or EBS unit (A402). Clear the fault memory. Check wiring and connections between the trailer and the EBS control unit module (A402).

4078 module trailer control valve inlet. Short (FMI7). STOP warning light is amber. Braking force coupling is disconnected. Faulty wiring, trailer control module or EBS unit (A402). Clear the fault memory. Check the trailer control module (Y278) for circuits between the valves (Pin 1 - inlet valve, Pin 7 - exhaust valve). Disconnect the connectors from the unit EBS (A402) and the trailer control module (Y278), check the wiring of the trailer control module (Y278) for circuits, if the wiring is correct, connect the connector to the trailer control module and repeat the test, in case of fault replace the trailer control module. 4078 module trailer control valve inlet. Faulty devices (FMI9). STOP warning light is amber. Braking force coupling is disconnected. Defective wiring or EBS unit (A402). Clear the fault memory. Check wiring and connections between the trailer and the EBS control unit module (A402).

4078 module trailer control valve inlet. Open (FMI10). STOP warning light is amber. Braking force coupling is disconnected. Faulty wiring, trailer control module (Y278) or EBS unit (A402). Disconnect the connectors from the EBS unit (A402) and the trailer control module (Y278), check TCM_IV wires (X4 / 5), GND_1 (X1 / 12), GND_2 (X1 / 11) and the mass for the closures. Check TCM_IV wire (X4 / 5) on the continuity. If the wiring is correct, connect the trailer control module plug (Y278) and inspect the resistance between Pin (X4 / 5) of the intake valve and Pin (X4 / 4) power line trailer control module (nominal 18.5 ohms). If the value is outside the norm, replace the trailer control module.
4079 module trailer control outlet valve. Short to power supply Ubat (FMI6). STOP warning light is amber. Braking force coupling is disconnected. Defective wiring or EBS unit (A402). Clear the fault memory. Check wiring and connections between the trailer and the EBS control unit module (A402).

4079 module trailer control outlet valve. Short (FMI7). STOP warning light is amber. Braking force coupling is disconnected. Faulty wiring, trailer control module or EBS unit (A402). Clear the fault memory. Check the trailer control module (Y278) for circuits between the valves (Pin 1 - inlet valve, Pin 7 - exhaust valve). Disconnect the connectors from the unit EBS (A402) and the trailer control module (Y278), check the wiring of the trailer control module (Y278) for circuits, if the wiring is correct, connect the connector to the trailer control module and repeat the test, in case of fault replace the trailer control module.


4080 module trailer management, backup valve. Short to power supply Ubat (FMI6). STOP warning light is amber. Braking force coupling is disconnected. Defective wiring or EBS unit (A402). Clear the fault memory. Check wiring and connections between the trailer and the EBS control unit module (A402).

4080 module trailer management, backup valve. Short (FMI7). STOP warning light is amber. Braking force coupling is disconnected. Faulty wiring, trailer control module or EBS unit (A402). Clear the fault memory. Check the trailer control module (Y278) for circuits between the valves (Pin 1 - inlet valve, Pin 7 - exhaust valve). Disconnect the connectors from the unit EBS (A402) and the trailer control module (Y278), check the wiring of the trailer control module (Y278) for circuits, if the wiring is correct, connect the connector to the trailer control module and repeat the test, in case of fault replace the trailer control module.

4080 module trailer management, backup valve. Open (FMI10). STOP warning light is amber. Braking force coupling is disconnected. Defective wiring or EBS unit (A402). Clear the fault memory. Check wiring and connections between the trailer and the EBS control unit module (A402).

4081 module trailer control pressure sensor power supply. Too high (FMI1). STOP warning light is amber. Braking force coupling is disconnected. Defective wiring or damaged internal hardware in the EBS unit (A402). Check wiring and contacts in the connector to the pressure transducer trailer control module (X4 / 1, X4 / 2 X4 / 3). If the wiring is OK, clear the fault memory. If the fault appears again, replace the EBS control unit (A402).

4081 module trailer control pressure sensor power supply. Too low (FMI2). STOP warning light is amber. Braking force coupling is disconnected. Defective wiring or damaged internal hardware in the EBS unit (A402). Check wiring and contacts in the connector to the pressure transducer trailer control module (Y278) (X4 / 1, X4 / 2 X4 / 3). If the wiring is OK, clear the fault memory. If the fault appears again, replace the EBS control unit (A402).

4082 trailer control module. Undefined fault (FMI0). STOP warning light is amber. Braking force coupling is disconnected. Damaged internal hardware in the EBS unit (A402). Clear the fault memory. Turn off and turn on the ignition, squeeze the brake pedal, if the fault reappears, replace the EBS unit (A402).

4082 trailer control module. Not identified (FMI3). STOP warning light is amber. Braking force coupling is disconnected. EBS control unit (A402) is damaged. Clear fault memory if the fault reappears, replace the EBS unit (A402).
4082 trailer control module. Short to Ground (FMI5). STOP warning light is amber. Braking force coupling is disconnected. Damaged or defective wiring unit EBS control (A402). Clear the fault memory. Check wiring and contacts in the connectors between the EBS unit (A402) and the trailer control module (Y278). Disconnect the connectors from the EBS unit (A402) and the trailer control module (Y278), check the wiring between the wire supply trailer control module (X4 / 4) and the mass of EBS unit (A402) GND_1 (X1 / 11), GND_2 (X1 / 12) on no closures.

4082 trailer control module. Short to power supply Ubat (FMI6). STOP warning light is amber. User functions are not limited. Damaged or defective wiring unit EBS control (A402). Clear the fault memory. Check wiring and connector pins to the trailer control module (Y278), TCM_SPL (X4 / 4), TCM_IV (X4 / 5), TCM_0V (X4 / 6) and TCM_BV (X4 / 7) for the wire between them.

4082 trailer control module. erroneous signal (FMI8). STOP warning light is amber. Braking force coupling is disconnected. trailer control module (Y278) is configured, but it is not visible for the EBS unit (A402). Open wiring on TCM_IV and TCM_0V and TCM_BV or broken wiring on TCM_SPL. Clear the fault memory. Check and adjust if necessary configuration. Check wiring and contacts in the connectors between the EBS unit (A402) and the trailer control module (Y278). Disconnect the X4 from the EBS unit