

kode error SH 200,SH 210-5,SH 210-6 Sumitomo excavator fault code/error

7000 – P1 pressure sensor
7001 – P2 pressure sensor
7002 – N1 pressure sensor
7003N2– pressure sensor
7004– wear overload pressure sensor
7005– bottom pressure sensor wear
7006– rod pressure sensor
7020 — wear upper pressure sensor
7021 — rotary pressure sensor wear
Walking through the pressure sensor 7022–
7023– wear arm pressure sensor
7040– fuel level sensor
7041 — oil temperature sensor
7045– monitor thermistor
7060 — boom angle sensor
7061– arm angle sensor
7062– deviation angle sensor
7063 — back to the oil filter blockage pressure switch
7200– swing brake solenoid valve
7201– walking speed solenoid valve
7202 — boost solenoid valve
7203 — BZ walking alarm
7204– saving solenoid valve
7205 – REL charge pump stops
7206 — spare circuit return valve
7207– slewing brake release valve
7208 fan reverse solenoid valve
7209– air conditioning temperature signal output
7210 — Crane

7211– turning signals and bucket stop
7212– safety lock solenoid valve
7240 — pump output proportional valve
7241– pump flow proportional valve
7242 — Fan proportional valve
7243 — big arm proportional valve
7244 — arm proportional valve
7245– deviation proportional valve
7400.7402.7403– temperature
7404– oil

7405.7406– Dorian backward pressure temperature
7420 — generator voltage
7421– level
7422– oil pressure
7423 — air filter
7424– back to the oil filter
7600 — CAN
7601– monitor communications
7602 — ECM communication
7603– Controller B Communications
7604– Controller S Communications
7605 — ECM
7606 — EEPROM
0087 — no pumping pressure
0088– rail pressure anomaly
0089– pumping high pressure
0090 — SCV drive system
0107 atmospheric pressure sensor (voltage at the end)
0108 atmospheric pressure sensor (high voltage)
0112 supercharged forward air temperature anomalies (voltage at the end)
0113 — booster forward air temperature anomalies (high voltage)
0117.0118 water temperature is too low or high
0182.0183 — fuel temperature
0192– rail pressure (low voltage)
0193– rail pressure (high voltage)
0201 — 0206 glib driver circuit breaker (corresponding to each cylinder)
0219– limit operation

After 0237.0238– boost pressure sensor voltage low or high

0335.0336– crankshaft position sensor system

0340.0341 — cam position sensor

0380– preheat sensor

0487 — EGR sensor

Host fault code list

(A) an electrical fault (input) [7000-7199]

Fault location fault codes determine the timing of the failure mode occurred prerequisite judgment recovery judgment

The conditions DTC display

P1 pressure sensor GND short / open 7000 ○ ignition switch is turned from no voltage ≤ 0.25 V
0.25 V Supply short-circuit voltage ≥ 4.75 V

Pressure sensor P2 GND short / open 7001 ○ ignition switch is turned from no voltage ≤ 0.25 V
0.25 V Supply short-circuit voltage ≥ 4.75 V

N1 pressure sensor GND short / open 7002 ○ ignition switch is turned from no voltage ≤ 0.25 V
0.25 V Supply short-circuit voltage ≥ 4.75 V

N2 pressure sensor GND short / open 7003 ○ from the ignition switch is turned on without voltage ≤ 0.25 V 0.25 V Supply short-circuit voltage ≥ 4.75 V

Overload pressure sensor GND short / open 7004 ○ Select the applicable regional EU voltage from the ignition switch is turned ≤ 0.25 V 0.25 V Supply short-circuit voltage ≥ 4.75 V

Bottom pressure sensor GND short / open 7005 ○ choose a crane voltage ≤ 0.25 V 0.25 V Supply short-circuit voltage ≥ 4.75 V

Pressure sensor GND link short / open 7006 ○ choose a crane voltage ≤ 0.25 V 0.25 V Supply short-circuit voltage ≥ 4.75 V

The upper part of the body's pressure sensor GND short / open 7020 ○ ignition switch is turned from no voltage ≤ 0.25 V 0.25 V Supply short-circuit voltage ≥ 4.75 V

Rotary Pressure Sensor GND short / open 7021 ○ ignition switch is turned from no voltage ≤ 0.25 V 0.25 V Supply short-circuit voltage ≥ 4.75 V

Walking pressure sensor GND short / open 7022 ○ ignition switch is turned from no voltage ≤ 0.25 V 0.25 V Supply short-circuit voltage ≥ 4.75 V

Arm off pressure sensor GND short / open 7023 ○ from the ignition switch no voltage ≤ 0.25 V 0.25 V Supply short-circuit voltage ≥ 4.75 V

Fuel oil level sensor open from 7040 ○ no resistance after the ignition is turned $\geq 100\Omega$ 2 Ω Short-circuit resistance ≤ 2 Ω

Oil temperature sensor open 7041 ○ 3 minutes after the engine is started without resistance $\geq 67200\Omega$ (voltage ≥ 4.93 V) 111 Ω Short circuit from the ignition switch is turned resistance $\leq 111\Omega$ (voltage ≤ 0.5 V)

Monitor thermistor (* 1) Open 7045 × no receipt from the ignition switch is turned fault bit is not received from the monitor from the monitor's fault bit

Short circuit

Boom angle sensor GND short / open 7060 ○ choose a crane or anti-interference voltage ≤ 0.2 V 0.2 V Short-circuit voltage ≥ 4.8 V power supply

Arm angle sensor GND short / open 7061 ○ choose a crane or anti-interference voltage ≤ 0.2 V 0.2 V Short-circuit voltage ≥ 4.8 V power supply

Deviation angle sensor GND short / open 7062 ○ choose a crane or anti-interference voltage ≤ 0.2 V 0.2 V Short-circuit voltage ≥ 4.8 V power supply

Back to the oil filter clogging pressure switch open after 7063 ○ from the ignition switch is turned to the front of the engine start without pressure switch off pressure switch open

Show “×” the project is not “abnormal electrical system” message. In addition, users no longer DTC screen display. However, DTC recorded in the maintenance screen (DIAG) in.

(2) electrical fault (output) [7200-7399]

Fault location fault codes determine the timing of the failure mode occurred prerequisite judgment recovery judgment

The conditions DTC display

Rotary brake solenoid valve open from 7200 ○ no output after the ignition is turned ≠ Output

Monitor Output = Output Monitor

Short circuit

Walking speed solenoid valve open from 7201 ○ no output after the ignition is turned ≠ Output

Monitor Output = Output Monitor

Short circuit

7202 ○ boost solenoid valve open after the ignition is turned from no output ≠ Output Monitor

Output = Output Monitor

Short circuit

BZ walking alarm (* 1) Open 7203 × after turning the ignition switch from no output ≠ Output

Monitor Output = Output Monitor

Short circuit

7204 ○ saving solenoid valve open after the ignition is turned from no output ≠ Output Monitor

Output = Output Monitor

Short circuit

REL Open 7205 ○ charge pump stops after the ignition is turned from no output ≠ Output

Monitor Output = Output Monitor

Short circuit

Spare oil return circuit from the solenoid valve open 7206 ○ no output after the ignition is turned

≠ Output Monitor Output = Output Monitor

Short circuit

Swing open from the solenoid valve open 7207 ○ no output after the ignition is turned ≠ Output

Monitor Output = Output Monitor

Short circuit

Fans reverse solenoid valve open from 7208 ○ no output after the ignition is turned ≠ Output

Monitor Output = Output Monitor

Short circuit

Air conditioning temperature signal output (* 1) Open 7209 × from the ignition switch is turned

on no output ≠ Output Monitor Output = Output Monitor

Short circuit

BZ cranes open after 7210 ○ no output from the ignition switch is turned ≠ Output Monitor

Output = Output Monitor

Short circuit

REL rotating lights and lock open 7211 ○ bucket from the ignition switch is turned on no output ≠

Output Monitor Output = Output Monitor

Short circuit

Lock rod from the solenoid valve open 7212 ○ no output after the ignition is turned ≠ Output

Monitor Output = Output Monitor

Short circuit

Pump output proportional valve open without current ≤ 30 mA 30 mA after 7240 ○ engine start

Short-circuit current from the ignition switch is turned ≥ 3 A

Pump flow proportional valve open without current ≤ 30 mA 30 mA after 7241 ○ engine start

Short-circuit current from the ignition switch is turned ≥ 3 A

After the fan proportional valve open 7242 ○ engine start no current ≤ 30 mA 30 mA Short-

circuit current from the ignition switch is turned ≥ 3 A

After the big boom proportional valve open 7243 ○ engine start no current ≤ 30 mA 30 mA

Short-circuit current from the ignition switch is turned ≥ 3 A

After the arm proportional valve open 7244 ○ engine start no current ≤ 30 mA 30 mA Short-

circuit current from the ignition switch is turned ≥ 3 A

Deviation proportional valve open after the engine starts 7245 ○ no current ≤ 30 mA 30 mA

Short-circuit current from the ignition switch is turned ≥ 3 A

Show “x” the project is not “abnormal electrical system” message. In addition, users no longer DTC screen display. However, DTC recorded in the maintenance screen (DIAG) in.

(3) mechanical failure [7400-7599]

Fault location fault codes determine the timing of the failure mode occurred prerequisite judgment recovery judgment

The conditions DTC display

Abnormally high temperature 1 7400 ○ one minute after starting the engine coolant temperature sensor = normal CAN communication = normal ECM5 V supply voltage = normal temperature ≥ 105 °C temperature <105 °C

Unusually high temperatures 2 7402 ○ temperature ≥ 110 °C temperature <105 °C

Abnormal high temperature 3 7403 ○ temperature ≥ 120 °C temperature <120 °C

7404 ○ abnormal high temperature oil 1 minute after starting the engine oil temperature sensor = normal oil temperature ≥ 95 °C temperature <95 °C

Abnormally high temperature pressurized backward 1 7405 ○ supercharged engine start one minute after the last-air temperature sensor = normal CAN communication = normal ECM5 V supply voltage = normal pressurized air temperature ≥ 80 °C backward backward pressurized air temperature ≤ 70 °C

Unusually high temperatures 2 7406 ○ booster backward temperature ≥ 90 °C temperature pressurized backward <90 °C

No abnormal voltage, low voltage AC motor 7420 ○ 10 seconds after starting the engine pressure ≤ 10 V power generating pressure > 10 V

Coolant level is too low 7421 ○ no level switch is open level switch off the ignition switch is turned from

Low engine oil pressure after 7422 ○ abnormal engine start 30 seconds oil pressure sensor = normal CAN communication = normal ECM5 V supply voltage = normal pressure ≤ 40 kPa pressure > 10 40 kPa

Air filter clogged 7423 ○ 10 seconds after starting the engine without vacuum switch on the vacuum switch off

Back to the oil filter clogged 7424 ○ 10 seconds after starting the engine oil filter pressure switch back to normal pressure swissure switch open circuit.