

[Troubleshooting] Kobelco excavator fault code fault code

Kobelco excavator repair SK200-2 SK200-3 fault code:

A-1ROM data is bad (not electromechanical A adjustment).

A-2 Electrical A bad adjustment.

A-3CPU exception.

B-1 arm upward pressure sensor is abnormal.

B-2, the big arm downward pressure sensor is abnormal.

B-3, the arm back pressure sensor is abnormal.

B-4, arm extended pressure sensor anomaly.

B-5, the bucket back pressure sensor is abnormal.

B-6, bucket extended pressure sensor anomaly.

B-7, rotary pressure sensor anomaly.

B-9, dextral pressure sensor anomaly.

B-10, sinistral pressure sensor anomaly.

C-1, P1 pump pressure sensor is abnormal.

C-2, P2 pump pressure sensor is abnormal.

D-1, P1 neutral cut proportional valve abnormalities.

D-2, P2 neutral cut proportional valve abnormalities.

D-3, the proportion of straight travel valve abnormalities.

D-4, a large proportion of boom confluence valve abnormalities (only -2 models).

D-5, the proportion of slow rotary valve abnormalities (only -2 models).

D-6, the arm of variable renewable proportional valve abnormalities (only -3 models).

E-1, P1 pump proportional valve abnormalities.

E-2, P2 pump proportional valve abnormalities.

F-1, booster valve abnormalities.

F-2, the rotating brake solenoid is abnormal.

F-3, the traveling speed changeover solenoid valve abnormalities.

F-4, FC mode (micro-operations) solenoid valve abnormalities (only -2 models).

F-5, walk a straight line solenoid valve abnormalities (only -2 models).

G-1, the stepper motor current exception.

G-2, the stepper motor without a starting point indexing.

G-5, an engine flameout (Show E / G reversal).

Kobelco SK200-6 fault code:

An electromechanical controller failure.

1-1, instruments and electromechanical controller communication error.

1-2, the battery relay exception.

A-1, A is not electromechanical adjustment.

A-2, A electromechanical adjustment bad.

B-1, big arm autogenous pressure sensor is abnormal.

B-2, the big arm downward pressure sensor is abnormal.

B-3, the arm back pressure sensor is abnormal.

B-4, arm extended pressure sensor anomaly.

B-5, the bucket back pressure sensor is abnormal.

B-6, bucket extended pressure sensor anomaly.

B-7, the pressure sensor is abnormal clockwise rotation.

B-8, the counterclockwise turning the pressure sensor is abnormal.

B-9, dextral pressure sensor anomaly.

B-10, sinistral pressure sensor anomaly.

B-11, P1 negative pressure sensor anomaly.

B-12, P2 negative pressure sensor anomaly.

B-15, back pressure sensor is abnormal.

C-1, P1 pump pressure sensor is abnormal.
C-2, P2 pump pressure sensor is abnormal.
D-1, P1 neutral cut proportional valve abnormalities.
D-2, P2 neutral cut proportional valve abnormalities.
D-3, the proportion of straight travel valve abnormalities.
D-6, the arm of variable renewable proportional valve abnormalities.
E-1, P1 pump proportional valve abnormalities.
E-2, P2 pump proportional valve abnormalities.
F-1, booster valve abnormalities.
F-2, the rotating brake solenoid is abnormal.
F-3, the traveling speed changeover solenoid valve abnormalities.
G-1, the stepper motor current exception.
G-2, the stepper motor without a starting point indexing.
G-3, an engine speed sensor is abnormal.
H-1, throttle knob exception.

Kobelco excavator SK200-8 display fault code (engine systems) sensor systems:

P2228, the atmospheric pressure sensor fault (LO).
P2229, the atmospheric pressure sensor fault (HI).
P0192, rail pressure sensor fault (LO).
P0193, rail pressure sensor fault (HI).
P0191, rail pressure sensor failure.
P0237, boost sensor fault (LO).
P0108, boost sensor fault (HI).
P0117, the water temperature sensor fault (LO).
P0118, the water temperature sensor fault (HI).
P0182, fuel temperature sensor fault (LO).
P0183, fuel temperature sensor fault (HI).
P0335, the main speed sensor system failure, the engine will not start / stop the engine.
P0340, deputy speed sensor system failure, the engine will not start / stop the engine.
P2120, dual throttle sensor system failures, speed down (idling speed 800r / min).
P2121, a throttle sensor voltage is abnormal. P2122, a throttle sensor failure (LO).
P2123, a throttle sensor failure (HI).
P2126, throttle sensor 2 voltage is abnormal.
P2127, throttle sensor 2 fault (LO).
P2128, throttle sensor 2 fault (HI).

Switches, relays, system fault codes:

P0540, preheating device failure (open circuit / CND shorted).
P0540, preheating device failure (+ B short circuit).
P0617, the start switch circuit failure.
P0686, the main relay circuit failure.

Fuel pump system failure code:

P0629, the fuel supply solenoid circuit fault (+ B short-circuit), the engine can not start / stop the engine.
P0628, fuel pump solenoid circuit fault (full output mode), the output decline.
P2635, history of abnormal pressure fuel pump.
P2635, fuel pump solenoid valve stuck.
P0088, rail pressure abnormalities, output declined.

Fuel injection system fault codes:

P1211, injector rail a solenoid valve drive system fault (GND short circuit), the output decline on / off cylinders (1, 4).
P1214 Injector solenoid valve drive system common rail 2 fault (GND short circuit), the output decline on / off cylinder operation (two times, three times).

P1212, injector rail a solenoid valve drive system failures (+ short-circuit B / open circuit), the output decline on / off cylinders (1, 4).

P1215, injector solenoid valve drive system common rail 2 failures (+ short-circuit B / open circuit), the output decline on / off cylinder operation (two times, three times).

P1601, multi-point fuel injector correction exceptions, output declined.

P0201, injector solenoid valve circuit breaker, output drops on / off cylinder operation (1).

P0202, solenoid injector 2 circuit breaker, output drops on / off cylinder operation (two times).

P0203, solenoid injector 3 circuit breaker, output drops on / off cylinder operation (three times).

P0204, solenoid injector 4 circuit breaker, output drops on / off cylinder operation (four times).

P0263, cylinder correction fault 1.

P0266, cylinder correction fault 2.

P0269, cylinder correction failure 3.

P0272, cylinder correction failure 4.

EGR System:

P0489, EGR valve is a linear solenoid valve malfunction (open circuit / GND short circuit), the output decline.

P0490, EGR valve is a linear solenoid valve malfunction (VB short circuit), the output decline.

P0404, EGR valve is stuck in an output drop.

P0405, EGR valve is a safety sensor fault (LO).

P0406, a safety sensor valve failure (HI).

Turbine system fault code:

P0234, turbo too large, the output decreases.

Engine system (state judge) fault code:

P0217, overheating, output declined.

P0219, the engine coaster. Communication: U1001, CAN communication interruption (vehicle).

ECU system:

P0611, ECU poor charging circuit (LO), the output decline.

P0200, ECU poor charging circuit (HI).

P0605, ROM exception.

P0606, CPU failure, the engine will not start the engine stopped.

P0607, CPU monitoring IC exceptions, output declined.

Kobelco excavator SK330-6E fault code (sequential) and the reasons are considered

Troubleshooting

The reason is considered

07

Engine overtravel (red light)

E / G input speed sensor or timing sensor becomes the equivalent of a pulse above 2400rpm

- ◆ connector inside the water
- ◆ speed sensor, timing sensor installation lax
- ◆ wiring is bad
- ◆ rotary gear adhesion of a foreign body
- ◆ speed sensor or timing sensor failure
- ◆ electronic speed controller failure

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Governor port (red light)

Instruction electronic regulator controller and rack position is inconsistent

- ◆ rack sensor using VC 5V power supply lines, poor ground
- ◆ Wiring PWM signal (rack position) signal abnormalities
- ◆ wiring BUF VIS (rack sensor) signal abnormality
- ◆ electronic speed controller for abnormal born PWM signal (control rack position) abnormalities
- ◆ Failure to adjust the internal servo motor drive circuit, etc.

14 + 15

Two speed sensor (red light)

The number of input pulses and the timing sensor speed sensor inconsistencies

- ◆ Speed sensor or timing sensor wiring anomaly
- ◆ Installation unusual speed sensor or timing sensor
- ◆ connector inside the water
- ◆ rotary gear adhesion of a foreign body
- ◆ electronic speed controller failure
- ◆ speed sensor or timing sensor failure

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Throttle sensor 2 (no lights)

From the controller to the output voltage is below 0.2V or 4.8V above

- ◆ electromechanical controller exception
- ◆ Record abnormal

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Electronic timer control (orange lights)

Rack rack position specified value and the actual measured signal is inconsistent

- ◆ exception code 22 also appear to confirm the rack sensor anomaly
- ◆ exception code 22 is not the same when
- ◆ PWM (control rack position) command line anomalies
- ◆ rack abnormal sensor output voltage VIST
- ◆ internal rack does not work properly according to instructions

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Atmospheric sensors

- ◆ mechanical condition: flat no problem, there is a problem referred Heights jobs

Twenty one

Water temperature sensor

- ◆ mechanical condition: starting the engine at low temperature properties deteriorate

Twenty two

Rack sensor (red light)

Rack sensor output voltage is below 0.5V or 4V above

- ◆ rack sensor using VC 5V power supply lines, poor ground
- ◆ governor side of the rack sensor anomaly
- ◆ Wiring BUF VIST (rack sensor) line anomalies

Twenty three

Timer control valve (orange light)

Wiring broken or shorted measured out

- ◆ TCV ADV, GCV RTD (injection timing control valve) wiring anomaly

Twenty four

Throttle sensor 1 (no lights)

From the controller to the output voltage is below 0.2V or 4.8V above

- ◆ electromechanical controller exception
- ◆ wiring anomaly

16 + 24

1,2 while the throttle sensor fault (orange light) from the controller, throttle potentiometer output voltage of 0.2V or 4.8V less than

- ◆ electromechanical controller exception
- ◆ wiring anomaly

32

Boost sensor (orange light)

From booster sensor output voltage is below 0.5V or 4.8V above

- ◆ electronic speed controller exception
- ◆ to boost sensor wiring anomaly
- ◆ boost sensor malfunction
- ◆ air filter, suction hose system abnormalities

33

System error (red light)

System error

- ◆ electronic speed controller exception

Power ◆ electronic speed controller, the bad ground

34

Q adjusting resistor (lamp lights)

- ◆ mechanical condition: engine output to minimum resize

Forty five

Boost sensor (orange light)

In addition to the starter motor being started outside, the actual E / G rotation speed is very low

- ◆ Engine emergency stop cables are hanging

- ◆ pump torque becomes too large
- ◆ poor engine output

65

Throttle SW (no lights)

- ◆ mechanical condition: changes to the usual control mode

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Heater relay (orange light)

- ◆ to bad wiring heating relay

Kobelco excavator @ // SK200-6 fault code Description

Fault code Fault grounds

- 1 — electromechanical controller failure.
- 1-1, — electromechanical controller communicates with unusual instrumentation.
- 1-2, — battery relay exception.
- A-1, — not electromechanical A adjusted.
- A-2, — Electrical A bad adjustment.
- B-1, — big arm raw pressure sensor anomaly.
- B-2, — arm downward pressure sensor is abnormal.
- B-3, — arm retraction pressure sensor is abnormal.
- B-4, — arm extended pressure sensor anomaly.
- B-5, — bucket retraction pressure sensor is abnormal.
- B-6, — bucket extended pressure sensor anomaly.
- B-7, — clockwise rotation pressure sensor is abnormal.
- B-8, — counterclockwise turning the pressure sensor is abnormal.
- B-9, — dextral pressure sensor anomaly.
- B-10, — sinistral pressure sensor anomaly.
- B-11, — P1 negative pressure sensor anomaly.
- B-12, — P2 negative pressure sensor anomaly.
- B-15, — back pressure sensor is abnormal.
- C-1, — P1 pump pressure sensor is abnormal.
- C-2, — P2 pump pressure sensor is abnormal.
- D-1, — P1 neutral cut proportional valve abnormalities.
- D-2, — P2 neutral cut proportional valve abnormalities.
- D-3, — walking straight proportional valve abnormalities.
- D-6, — forearm variable renewable proportional valve abnormalities.
- E-1, — P1 pump proportional valve abnormalities.
- E-2, — P2 pump proportioning valve abnormalities.
- F-1, — booster valve abnormalities.
- F-2, — of the rotating brake solenoid is abnormal.
- F-3, — traveling speed changeover solenoid valve abnormalities.
- G-1, — stepper motor current exception.
- G-2, — stepper motors without a starting point indexing.
- G-3, — of the engine speed sensor is abnormal.
- H-1, — throttle knob exception.

Kobelco SK series digging machine / sensor system / fault code Description

Fault code Fault grounds

- P2228, — atmospheric pressure sensor fault (LO).
- P2229, — atmospheric pressure sensor fault (HI).

P0192, — rail pressure sensor fault (LO).
P0193, — rail pressure sensor fault (HI).
P0191, — rail pressure sensor failure.
P0237, — boost sensor fault (LO).
P0108, — boost sensor fault (HI).
P0117, — temperature sensor fault (LO).
P0118, — temperature sensor fault (HI).
P0182, — fuel temperature sensor fault (LO).
P0183, — fuel temperature sensor fault (HI).
P0335, — the main speed sensor system failure, the engine will not start / stop.
P0340, — Vice speed sensor system failure, the engine will not start / stop.
P2120, — dual throttle sensor system failures, speed down (idling speed 800r / min).
P2121, — a throttle sensor voltage is abnormal.
P2122, — a throttle sensor failure (LO).
P2123, — a throttle sensor failure (HI).
P2126, — throttle sensor 2 voltage is abnormal.
P2127, — throttle sensor 2 fault (LO).
P2128, — throttle sensor 2 fault (HI).

SK200-8

P1211 alarm is grounding alarm basin oil line
P0340 alarm is deputy speed sensor failure alarm
Z010 diesel common rail pressure alarm is low or the oil injector wear serious
SK130-8
00198 is the lack of oil pressure alarm
01008 alarm engine hydraulic switch disconnection alarm

SK75-8

G013 alarm refers to the engine throttle motor abnormalities progress
H013 alarm throttle line is bad

SK130-8

B173 alarm is connected to the low pressure sensor attachments appear disconnected the electrical circuit fault.
SK140LC-8

10802 alarm is the intake pressure sensor connected to the line between ECU failures caused by poor
00198 is the engine hydraulic switch disconnection alarm
G033 engine speed sensor circuit anomalies
SK200-8

P1092 is a common-rail diesel injection device alarm pressure sensor failure.

P0336 is the primary speed sensor alarm alarm

P0405 EGR valve is rising alarm sensor alarm

SK210-8

P0617 is a start switch malfunction alarm

P0404 EGR issuing warning alarm is

P2635 alarm diesel common rail high-pressure pump end solenoid valve failure

P0405 EGR valve security sensor alarm is not working

SK250-8

P0203 is a 3-cylinder injector alarm break alarm

10802 alarm is the engine speed sensor voltage is abnormal.

SK260-8

P0088 rail pressure abnormal alarm

P0404 alarm solenoid valve 4-cylinder engine failure alarm

Kobelco SK200-8 fault code (engine systems) sensor systems:

P2228, the atmospheric pressure sensor fault (LO).

P2229, the atmospheric pressure sensor fault (HI).

P0192, rail pressure sensor fault (LO).

P0193, rail pressure sensor fault (HI).

P0191, rail pressure sensor failure.

P0237, boost sensor fault (LO).

P0108, boost sensor fault (HI).

P0117, the water temperature sensor fault (LO).

P0118, the water temperature sensor fault (HI).

P0182, fuel temperature sensor fault (LO).

P0183, fuel temperature sensor fault (HI).

P0335, the main speed sensor system failure, the engine will not start / stop the engine.

P0340, deputy speed sensor system failure, the engine will not start / stop the engine.

P2120, dual throttle sensor system failures, speed down (idling speed 800r / min).

P2121, a throttle sensor voltage is abnormal. P2122, a throttle sensor failure (LO).

P2123, a throttle sensor failure (HI).

P2126, throttle sensor 2 voltage is abnormal.

P2127, throttle sensor 2 fault (LO).

P2128, throttle sensor 2 fault (HI). Switches, relays system: fault codes,

P0540, preheating device failure (open circuit / CND shorted).

P0540, preheating device failure (+ B short circuit).

P0617, the start switch circuit failure.

P0686, the main relay circuit failure. Fuel pump system:

P0629, the fuel supply solenoid circuit fault (+ B short-circuit), the engine can not start / stop the engine.

P0628, fuel pump solenoid circuit fault (full output mode), the output decline.

P2635, history of abnormal pressure fuel pump.

P2635, fuel pump solenoid valve stuck.

P0088, rail pressure abnormalities, output declined. Fuel injection system:

P1211, injector rail a solenoid valve drive system fault (GND short circuit), the output decline on / off cylinders (1, 4).

P1214 Injector solenoid valve drive system common rail 2 fault (GND short circuit), the output decline on / off cylinder operation (two times, three times).

P1212, injector rail a solenoid valve drive system failures (+ short-circuit B / open circuit), the output decline on / off cylinders (1, 4).

P1215, injector solenoid valve drive system common rail 2 failures (+ short-circuit B / open circuit), the output decline on / off cylinder operation (two times, three times).

P1601, multi-point fuel injector correction exceptions, output declined.

P0201, injector solenoid valve circuit breaker, output drops on / off cylinder operation (1).

P0202, solenoid injector 2 circuit breaker, output drops on / off cylinder operation (two times).

P0203, solenoid injector 3 circuit breaker, output drops on / off cylinder operation (three times).

P0204, solenoid injector 4 circuit breaker, output drops on / off cylinder operation (four times).

P0263, cylinder correction fault 1.

P0266, cylinder correction fault 2.

P0269, cylinder correction failure 3.

P0272, cylinder correction failure 4.

EGR System:

P0489, EGR valve is a linear solenoid valve malfunction (open circuit / GND short circuit), the output decline.

P0490, EGR valve is a linear solenoid valve malfunction (VB short circuit), the output decline.

P0404, EGR valve is stuck in an output drop.

P0405, EGR valve is a safety sensor fault (LO).

P0406, a safety sensor valve failure (HI). Turbine system:

P0234, turbo too large, the output decreases. Engine system (state judge):

P0217, overheating, output declined.

P0219, the engine coaster. Communication: U1001, CAN communication interruption (vehicle).

ECU system:

P0611, ECU poor charging circuit (LO), the output decline.

P0200, ECU poor charging circuit (HI).

P0605, ROM exception.

P0606, CPU failure, the engine will not start the engine stopped.

P0607, CPU monitoring IC exceptions, output declined.

Kobelco SK-8] [fault code, the code following meanings:

A Kobelco SK-8 (engine systems) sensor systems:

P2228, the atmospheric pressure sensor fault (LO).

P2229, the atmospheric pressure sensor fault (HI).

P0192, rail pressure sensor fault (LO).

P0193, rail pressure sensor fault (HI).

P0191, rail pressure sensor failure.

P0237, boost sensor fault (LO).

P0108, boost sensor fault (HI).

P0117, the water temperature sensor fault (LO).

P0118, the water temperature sensor fault (HI).

P0182, fuel temperature sensor fault (LO).

P0183, fuel temperature sensor fault (HI).

P0335, the main speed sensor system failure, the engine will not start / stop the engine.

P0340, deputy speed sensor system failure, the engine will not start / stop the engine.

P2120, dual throttle sensor system failures, speed down (idling speed 800r / min).

P2121, a throttle sensor voltage is abnormal.

P2122, a throttle sensor failure (LO).

P2123, a throttle sensor failure (HI).

P2126, throttle sensor 2 voltage is abnormal.

P2127, throttle sensor 2 fault (LO).

P2128, throttle sensor 2 fault (HI).

2 Kobelco SK-8 switches, relays system:

P0540, preheating device failure (open circuit / CND shorted).

P0540, preheating device failure (+ B short circuit).

P0617, the start switch circuit failure.

. P0686, the main fuel pump relay circuit fault system:

P0629, the fuel supply solenoid circuit fault (+ B short-circuit), the engine can not start / stop the engine.

P0628, fuel pump solenoid circuit fault (full output mode), the output decline.

P2635, history of abnormal pressure fuel pump.

P2635, fuel pump solenoid valve stuck.

P0088, rail pressure abnormalities, output declined.

3 Kobelco SK-8 fuel injection system:

P1211, injector rail a solenoid valve drive system fault (GND short circuit), the output decline on / off cylinders (1, 4).

P1214, injector solenoid valve drive system common rail 2 fault (GND short circuit), the output decline on / off cylinder operation (two times, three times).

P1212, injector rail a solenoid valve drive system failures (+ short-circuit B / open circuit), the output decline on / off cylinders (1, 4).

P1215, injector solenoid valve drive system common rail 2 failures (+ short-circuit B / open circuit), the output decline on / off cylinder operation (two times, three times).

P1601, multi-point fuel injector correction exceptions, output declined.

P0201, injector solenoid valve circuit breaker, output drops on / off cylinder operation (1).

P0202, solenoid injector 2 circuit breaker, output drops on / off cylinder operation (two times).

P0203, solenoid injector 3 circuit breaker, output drops on / off cylinder operation (three times).

P0204, solenoid injector 4 circuit breaker, output drops on / off cylinder operation (four times).

P0263, cylinder correction fault 1.

P0266, cylinder correction fault 2.

P0269, cylinder correction failure 3.

P0272, cylinder correction failure 4.

4 Kobelco SK-8EGR system:

P0489, EGR valve is a linear solenoid valve malfunction (open circuit / GND short circuit), the output decline.

P0490, EGR valve is a linear solenoid valve malfunction (VB short circuit), the output decline.

P0404, EGR valve is stuck in an output drop.

P0405, EGR valve is a safety sensor fault (LO).

P0406, a safety sensor valve failure (HI).

5 Kobelco SK-8 turbo system:

P0234, turbo too large, the output decreases.

6 Kobelco SK-8 engine system (state judge):

P0217, overheating, output declined.

P0219, the engine coaster.

7 Kobelco SK-8 Communication:

U1001, CAN communication interruption (vehicle).

8 Kobelco SK-8ECU system:

P0611, ECU poor charging circuit (LO), the output decline.

P0200, ECU poor charging circuit (HI).

P0605, ROM abnormal .P0606, CPU failure, the engine will not start the engine stopped.

P0607, CPU monitoring IC exceptions, output declined.