

As an excavator driver, it is inevitable to encounter an excavator running fault. Many errors are small, which will prompt for some error codes on the display. As long as we understand the meaning of these error codes, we can easily resolve these faults ourselves. Compared to looking for a maintenance master to help us check, we understand the code has been greatly shortened our time and economic costs. Therefore, understanding the meaning of the error code plays a very important role in solving the problem of malfunction in the operation of the excavator or maintenance. We will introduce the following models from SK-6E, SK200-2 / -3, SK200-6, SK210-8, SK330-6E, as follows:

Kobelco SK-6E excavator error code

Error code	Fault description
A-1	ROM data
A-2	A poor adjustment
B-1	Boom rise
B-2	Big arm drop
B-3	Arm extension
B-4	Arm recovery
B-6	Excavation
B-7	Right rotation
B-9	Walking right
B-10	Walking left
C-1	P1 pump
C-2	P2 pump
D-1	P1 neutral cut
D-2	P2 neutral cut
D-3	Go straight
D-4	Small arm variable regeneration
D-6	Small arm variable regeneration

Kobelco SK200-2/-3 excavator error code

Error code Fault description

- A-1 Bad ROM data (no electromechanical A adjustment)
- A-2 Electromechanical A poorly adjusted
- A-3 CPU exception
- B-1 Abnormal arm rise pressure sensor
- B-2 Abnormal arm pressure sensor abnormal
- B-3 Arm retracting pressure [sensor](#) abnormal
- B-4 Abnormal arm extension pressure sensor
- B-5 Bucket retraction pressure sensor abnormal
- B-6 Bucket extension pressure sensor is abnormal
- B-7 Swing pressure sensor is abnormal
- B-9 Right travel pressure sensor is abnormal
- B-10 Left travel pressure sensor is abnormal
- C-1 P1 oil pump pressure sensor is abnormal
- C-2 P2 oil pump pressure sensor is abnormal
- D-1 P1 Neutral cut-off proportional valve is abnormal
- D-2 P2 Neutral cut-off proportional valve is abnormal
- D-3 Straight running proportional valve abnormal
- D-4 Abnormal confluence proportional valve (only -2 models)
- D-5 Slow rotary proportional valve abnormal (only -2 models)
- D-6 Arm variable regenerative proportional valve abnormal (only -3 models)

Kobelco SK200-6 excavator fault code

Error code	Fault description
1-1 controller	The instrument communicates abnormally with the electromechanical controller
1-2	Battery relay abnormal
A-1	No electromechanical A adjustment
A-2	Electromechanical A poorly adjusted
B-1	Abnormal pressure sensor on the boom
B-2	Abnormal arm pressure sensor abnormal
B-3	Arm retracting pressure sensor abnormal
B-4	Abnormal arm extension pressure sensor
B-5	Bucket retraction pressure sensor abnormal
B-6	Bucket extension pressure sensor is abnormal
B-7	Right swing pressure sensor is abnormal
B-8	Left rotation pressure sensor is abnormal
B-9	Right travel pressure sensor is abnormal
B-10	Left travel pressure sensor is abnormal
B-11	P1 negative pressure sensor is abnormal
B-12	P2 negative pressure sensor is abnormal
B-15	Back pressure sensor abnormal
C-1	P1 oil pump pressure sensor is abnormal
C-2	P2 oil pump pressure sensor is abnormal
D-1	P1 Neutral cut-off proportional valve is abnormal
D-2	P2 Neutral cut-off proportional valve is abnormal
D-3	Straight running proportional valve abnormal
D-6	Arm variable regenerative proportional valve abnormal
E-1	P1 oil pump proportional valve is abnormal

- E-2 P2 oil pump proportional valve is abnormal
- F-1 Booster solenoid valve is abnormal
- F-2 Rotary brake solenoid valve is abnormal
- F-3 Travel speed conversion solenoid valve is abnormal
- G-1 Stepper motor current is abnormal
- G-2 Stepper motor without starting point indexing
- G-3 Engine speed sensor is abnormal
- H-1 Throttle knob abnormal

Kobelco SK330-6E excavator fault code

Error code	Fault description
P0540	Preheater failure (open circuit / CND short circuit)
P0540	Preheater failure (+B short circuit)
P0617	Start switch circuit failure
P0686	Main relay circuit failure
P0629	Fuel supply solenoid valve circuit failure (+B short circuit), engine cannot start / engine stop
P0628	Fuel pump solenoid valve circuit failure (full output mode), output drop
P2635	Fuel pump abnormal pressure history
P2635	Fuel pump solenoid stuck
P0088	Common rail pressure abnormality, output drop
P1601	Injector multi-point correction abnormality, output drop
P0201	Injector 1 solenoid valve circuit open, output down / broken cylinder operation (1 time)
P0202	Injector 2 solenoid valve circuit open, output down / broken cylinder operation (2 times)

- P0203 Injector 3 solenoid valve circuit open, output down / broken cylinder operation (3 times)
- P0204 Injector 4 solenoid valve circuit open, output down / broken cylinder operation (4 times)
- P0263 Cylinder correction fault 1
- P0266 Cylinder correction fault 2
- P0269 Cylinder correction fault 3
- P0272 Cylinder correction fault 4
- P0489 EGR valve linear solenoid valve 1 fault (open circuit / GND short circuit), output drop
- P0490 EGR valve linear solenoid valve 1 fault (VB short circuit), output drop
- P0404 EGR valve stuck 1, output decreased
- P0405 EGR valve safety sensor 1 fault (LO)
- P0406 Valve Safety Sensor 1 Fault (HI)
- P0234 Turbo is too large and output is falling
- P0217 Engine overheating, output drop
- P0219 Engine coast communication: U1001, CAN communication interruption (vehicle)
- P0611 ECU charging circuit failure (LO), output drop
- P0200 Defective ECU charging circuit (HI)
- P0605 ROM exception
- P0606 CPU failure, engine cannot start engine stop
- P0607 CPU monitoring IC is abnormal, output is degraded

Kobelco-8, Super 8 excavator fault code

Error code Fault description

- A015 No engine adjustment (A adjustment), or adjustment failed

A025 Pump proportional valve adjustment (B adjustment) is not performed, or adjustment fails

A035 No unloading valve adjustment (C adjustment), or adjustment failed

A215 ROM adjustment data write data is abnormal

A225 ROM adjustment data is written abnormally

A235 ROM timer data write data is abnormal

A245 ROM timing data is written abnormally

A255 Proportional valve adjustment data write error

B012 Boom rise pressure sensor abnormal output

B013 Boom rise pressure sensor

B014 Boom up pressure sensor

B022 Boom drop pressure sensor abnormal output

B023 Boom drop pressure sensor

B024 Boom drop pressure sensor

B032 Arm extended pressure sensor abnormal output

B033 The arm extends out of the pressure sensor.

B034 Arm extended pressure sensor short circuit

B042 Arm recovery pressure sensor abnormal output

B043 Arm recovery pressure sensor

B044 Arm recovery pressure sensor power supply short circuit

B052 Bucket excavation pressure sensor abnormal output

B053 Bucket excavation pressure sensor

B054 Bucket excavation pressure sensor

B062 Bucket dumping pressure sensor abnormal output

B063 Bucket dumping pressure sensor

B064 Bucket dumping pressure sensor

B072 Rotary pressure sensor abnormal output

B073 Rotary pressure sensor

B074 Rotary pressure sensor

B092 Right travel pressure sensor abnormal output

B093 Right travel pressure sensor

B094 Right travel pressure sensor

B102 Left travel pressure sensor abnormal output

B013 Boom rise pressure sensor

B014 Boom up pressure sensor

B022 Boom drop pressure sensor abnormal output

B023 Boom drop pressure sensor

B024 Boom drop pressure sensor

B032 Arm extended pressure sensor abnormal output

B033 The arm extends out of the pressure sensor.

B034 Arm extended pressure sensor short circuit

B042 Arm recovery pressure sensor abnormal output

B043 Arm recovery pressure sensor

B044 Arm recovery pressure sensor power supply short circuit

B052 Bucket excavation pressure sensor abnormal output

B053 Bucket excavation pressure sensor

B054 Bucket excavation pressure sensor

B062 Bucket dumping pressure sensor abnormal output

B063 Bucket dumping pressure sensor

B064 Bucket dumping pressure sensor

B072 Rotary pressure sensor abnormal output

B073 Rotary pressure sensor

B074 Rotary pressure sensor

B092 Right travel pressure sensor abnormal output

B093 Right travel pressure sensor

B094 Right travel pressure sensor

B102 Left travel pressure sensor abnormal output

B103 Left travel pressure sensor

B104 Left travel pressure sensor

B113 Option selector position detection pressure sensor

B114 Option selector position detection pressure sensor power supply short circuit

B162 P1 side option pressure sensor abnormal output

B163 Optional pressure sensor on the P1 side

B164 P1 side option pressure sensor power supply short circuit

B172 P2 side optional pressure sensor abnormal output

B173 P2 side optional pressure sensor

B174 P2 side option pressure sensor power supply short circuit

C012 P1 pump pressure sensor abnormal output

C013 P1 pump pressure sensor

C014 P1 pump pressure sensor power supply short circuit

C022 P2 pump pressure sensor abnormal output

C023 P2 pump pressure sensor

C024 P2 pump pressure sensor power supply short circuit

C033 Big head pressure sensor

C034 Big head pressure sensor

C043 Boom pressure sensor

C044 Boom pressure sensor short circuit

D012 P1 unloading proportional valve output transistor ON fault

D013 P1 unloading proportional valve

D022 P2 unloading proportional valve output transistor ON fault

- D023 P2 unloading proportional valve
- D032 Walking straight proportional valve output transistor ON fault
- D033 Walking straight proportional valve
- D062 Arm recovery 2 speed proportional valve output transistor ON fault
- D063 Arm recovery 2 speed proportional valve
- E012 P1 pump proportional valve output transistor ON fault
- E013 P1 pump proportional valve
- E022 P2 pump proportional valve output transistor ON fault
- E023 P2 pump proportional valve
- F011 Work device boost solenoid valve Output transistor OFF Fault, short to ground
- F013 Work device boost solenoid valve Output transistor ON Fault, disconnection
- F021 Rotary parking solenoid valve Output transistor OFF Fault, short to ground
- F023 Rotary parking solenoid valve Output transistor ON Fault, disconnection
- F031 Walking 1-2 speed solenoid valve Output transistor OFF Fault, short to ground
- F033 Walking 1-2 speed solenoid valve Output transistor ON Fault, disconnection
- F041 Optional selector solenoid valve Output transistor OFF Fault, short to ground
- F043 Option selector output transistor ON fault, disconnection
- G032 The speed sensor directly input by the electromechanical controller exceeds the limit
- G033 The speed sensor directly input by the electromechanical controller is disconnected abnormally
- H014 Throttle potentiometer
- H023 Boom angle potentiometer
- H024 Boom angle potentiometer power supply short circuit

- H033 Arm angle potentiometer
- H034 Arm angle potentiometer power supply short circuit
- H091 Fuel sensor ground short circuit abnormal
- H093 Fuel sensor disconnection abnormality
- I111 CAN1 communication receiving abnormality (passive fault)
- I113 CAN1 communication reception error (contact interruption)
- I313 Instrument group communication receiving abnormality (contact interruption failure)
- K014 Battery relay contact sintering
- R014 Wiper motor arc prevents relay abnormality
- R024 Wiper motor forward relay abnormal
- R034 Wiper motor reverse relay abnormal
- R044 Sprinkler motor machine abnormalities
- R134 Rotating flash relay is abnormal
- R144 Rotating flash relay is abnormal
- R154 Abnormal walking alarm relay
- R164 Automatic idle stop relay 2 is abnormal
- R174 Engine forced stop relay abnormal
- R184 Lever lock relay abnormal
- R214 Safety relay abnormal

The above is the main fault code and description of several models of Kobelco's excavator. We hope to help you solve some problems encountered in maintenance or operation. If you still want to know the error codes of other digging brands, please leave a message below this article.