SEN06488-01

Shop Manual

HYDRAULIC
EXCAVATOR

HB215LC-2

SERIAL NUMBERS 50001 and up

Hybrid

KOMATSU®

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SHOP MANUAL

HYDRAULIC EXCAVATOR

HB215LC-2

Model	Serial Number
HB215LC-2	50001 and up

01 Specification

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Failure code [DA26KP] 5V Sensor 2 Power Abnormality (HB205-DA26KP-400-A-Z1-A)

Action level	Failure code	Failure	5 V sensor 2 power abnormality (Pump controller system)
-	DA26KP		
Detail of failure	• Voltage of 5 V sensor power supply output 2 circuit is 2.5 V and below or 6.0 V and above.		
Action of controller	• Stops output of power from 5 V sensor power supply output 2. • Even if cause of failure disappears, machine does not become normal until starting switch is turned to OFF position.		
Problem on machine	• Pressure sensor signals are not input correctly. • Error code for pressure sensor is also displayed. • Travel speed is slow.		
Related information	• Method of reproducing failure code: Turn starting switch to ON position.		

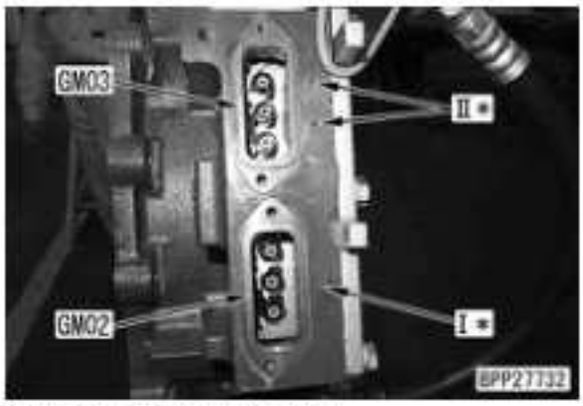
No.	Cause	Procedure, measuring location, criteria, and remarks		
1	Defective pressure sensor (Internal short circuit)	1. Turn starting switch to OFF position. 2. Disconnect connectors of the following sensors one by one and turn starting switch ON each time. ★ If this failure code lights off, disconnected sensor is defective. ★ Since connector is disconnected, other failure codes appear. Ignore all the other failure codes except this one. 3. Each time troubleshooting is finished, return to step 1.		
		SENSOR		Connector
		Left front travel pressure sensor		P09
		Left rear travel pressure sensor		P10
		Right front travel pressure sensor		P11
		Right rear travel pressure sensor		P12
2	Hot short circuit in wiring harness	★ Measure voltage before controller stops output of power. 1. Turn starting switch to OFF position. 2. Disconnect connectors P09 to P12. 3. Connect T-adapter to female side of connector P09. 4. Turn starting switch to ON position.		
		Voltage	Between P08 (male) (7) and ground	4.5 to 5.5 V
3	Ground fault in wiring harness (Contact with ground circuit)	1. Turn starting switch to OFF position. 2. Disconnect connectors P09 to P12. 3. Connect T-adapter to female side of connector CP01.		
		Resistance	Between CP01 (female) (63) and ground	Min. 1 MΩ
4	Defective pump controller	If no failure is found by above checks, pump controller is defective. (Since this is an internal defect, troubleshooting cannot be performed.)		

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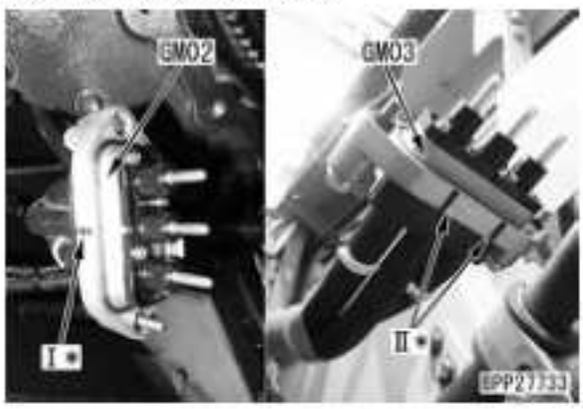
Note 3: When mating a connector, match the number of marks and the marked side of the body and harness connectors (harness connectors are asymmetrical and have different upper and lower sides).

Note 4: Marks on the engine motor-generator are as follows:

- Motor-generator side connector (orientation marked with dots)



- Harness side connector (orientation marked with lines)

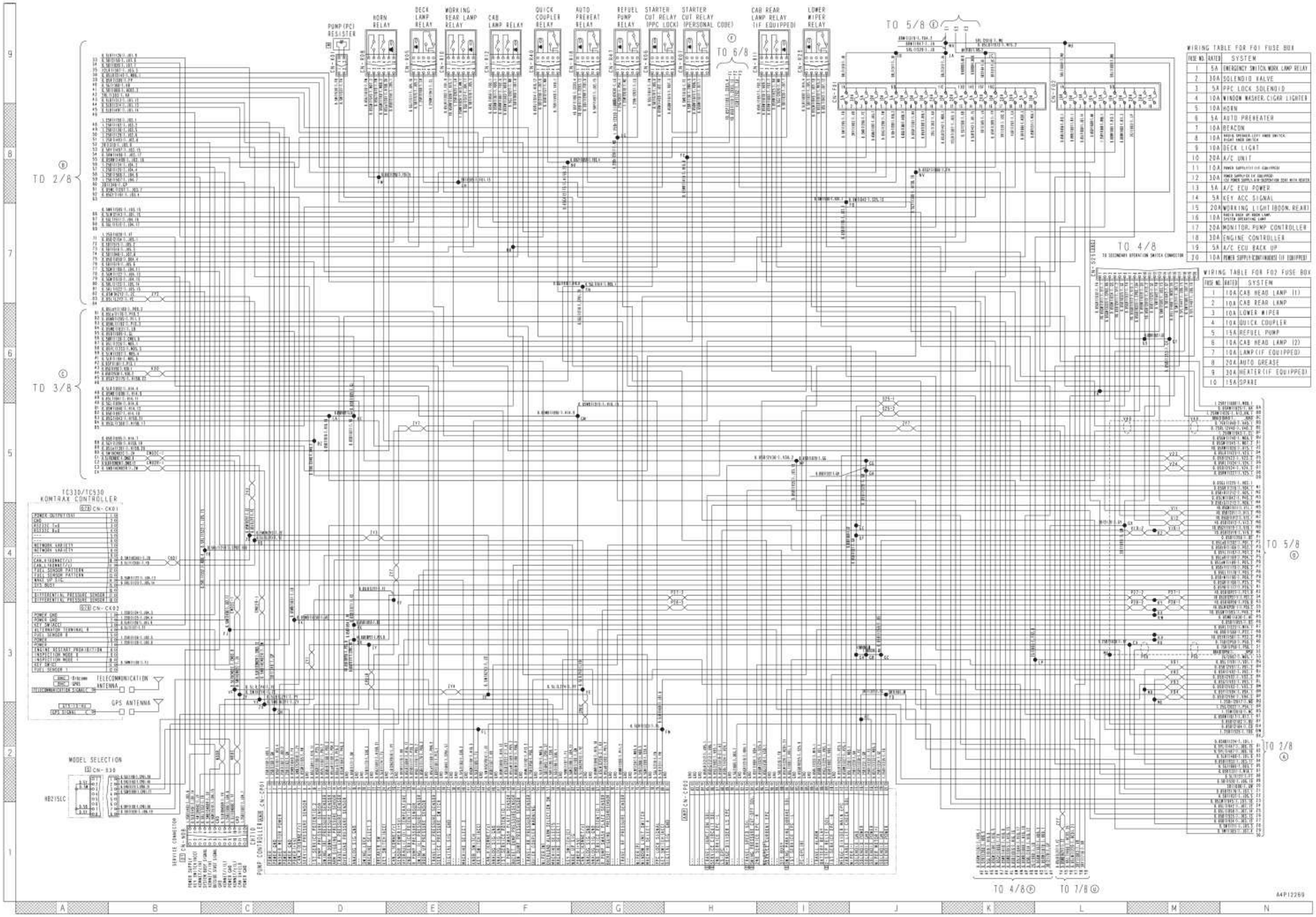


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Electrical circuit diagram (1/8) (EU specification)

HB215LC-2

★ This figure covers the equipment and devices that are unavailable as optional items in some areas.



WIRING TABLE FOR F01 FUSE BOX

FUSE NO.	RATED	SYSTEM
1	5A	EMERGENCY SWITCH, WORK LAMP RELAY
2	30A	SOLENOID VALVE
3	5A	PPC LOCK SOLENOID
4	10A	WINDOW WASHER, CIGAR LIGHTER
5	10A	HORN
6	5A	AUTO PREHEATER
7	10A	BEACON
8	10A	RADIO SPEAKER (LEFT HAND SWITCH, RIGHT HAND SWITCH)
9	10A	DECK LIGHT
10	20A	A/C UNIT
11	10A	POWER SUPPLY (IF EQUIPPED)
12	30A	POWER SUPPLY (IF EQUIPPED), 12V POWER SUPPLY, AIR SUSPENSION SEAT WITH HEATER
13	5A	A/C ECU POWER
14	5A	KEY ACC SIGNAL
15	20A	WORKING LIGHT (BOOM, REAR)
16	10A	RADIO BACK UP, ROOM LAMP, SYSTEM OPERATING LAMP
17	20A	MONITOR, PUMP CONTROLLER
18	30A	ENGINE CONTROLLER
19	5A	A/C ECU BACK UP
20	10A	POWER SUPPLY (CONTINUOUS) (IF EQUIPPED)

WIRING TABLE FOR F02 FUSE BOX

FUSE NO.	RATED	SYSTEM
1	10A	CAB HEAD LAMP (1)
2	10A	CAB REAR LAMP
3	10A	LOWER WIPER
4	10A	QUICK COUPLER
5	15A	REFUEL PUMP
6	10A	CAB HEAD LAMP (2)
7	10A	LAMP (IF EQUIPPED)
8	20A	AUTO GREASE
9	30A	HEATER (IF EQUIPPED)
10	15A	SPARE

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