CEBM3006C2

Shop Manual

KOMATSU®

PC300LC-6
PC300HD-6

HYDRAULIC EXCAVATOR

SERIAL NUMBERS **PC300LC-6 - A80001** and up
PC300HD-6 - A80001

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CONTENTS

00 SAFETY/FOREWARD 00-3

01 GENERAL 01-1

10 STRUCTURE AND FUNCTION 10-1

20 TESTING AND ADJUSTMENT 20-1

30 DISASSEMBLY AND ASSEMBLY 30-1

40 MAINTENANCE STANDARD 40-1

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TRACK SHOE

STANDARD SHOE

Item / Model	PC300LC-6	PC300HD-6
Shoe width (mm)	700 mm (Triple)	700 mm (Double)
Link pitch (mm)	216	228.6
No. of shoes (each side)	48	46

SELECTION OF TRACK SHOE

- Select the most suitable track shoe from the following table.

	PC300LC-6		PC300HD-6	
	Specifications	Category	Specifications	Category
Standard	700 mm triple	B	700 mm double	B
Option	600 mm triple	A	700 mm triple	B
Option	800 mm triple	C	600 mm triple	A
Option	850 mm triple	C	700 mm HD triple	B
Option	--	--	800 mm triple	C

Category	Use	Precautions when using
A	Rocky ground, normal river soil	• Travel in Lo speed when traveling on rough ground with obstacles such as boulders and fallen trees.
B	Normal soil, soft land	• Cannot be used on rough ground where there are large obstacles such as boulders and fallen trees. • Travel in Hi speed only on flat ground; When it is impossible to avoid traveling over obstacles, lower the travel speed to approx. half of Lo speed.
C	Extremely soft ground (swampy ground)	• Use only on ground where "A" and "B" sink and are impossible to use. • Cannot be used on rough ground where there are large obstacles such as boulders and fallen trees. • Travel in Hi speed only on flat ground; when it is impossible to avoid traveling over obstacles, lower the travel speed to approx. half of Lo speed.
D	Paved surface	• The shoes are flat, so the have low gradeability.
E	Paved surface	• The shoes are made of rubber, so be careful when traveling on rough ground.

★ Categorie "B" and "C" are wide shoes, so there are restrictions on their use. Therefore, before using, check the restrictions and consider carefully the conditions of use before recommending a suitable shoe width. If necessary, give the customer guidance in their use.

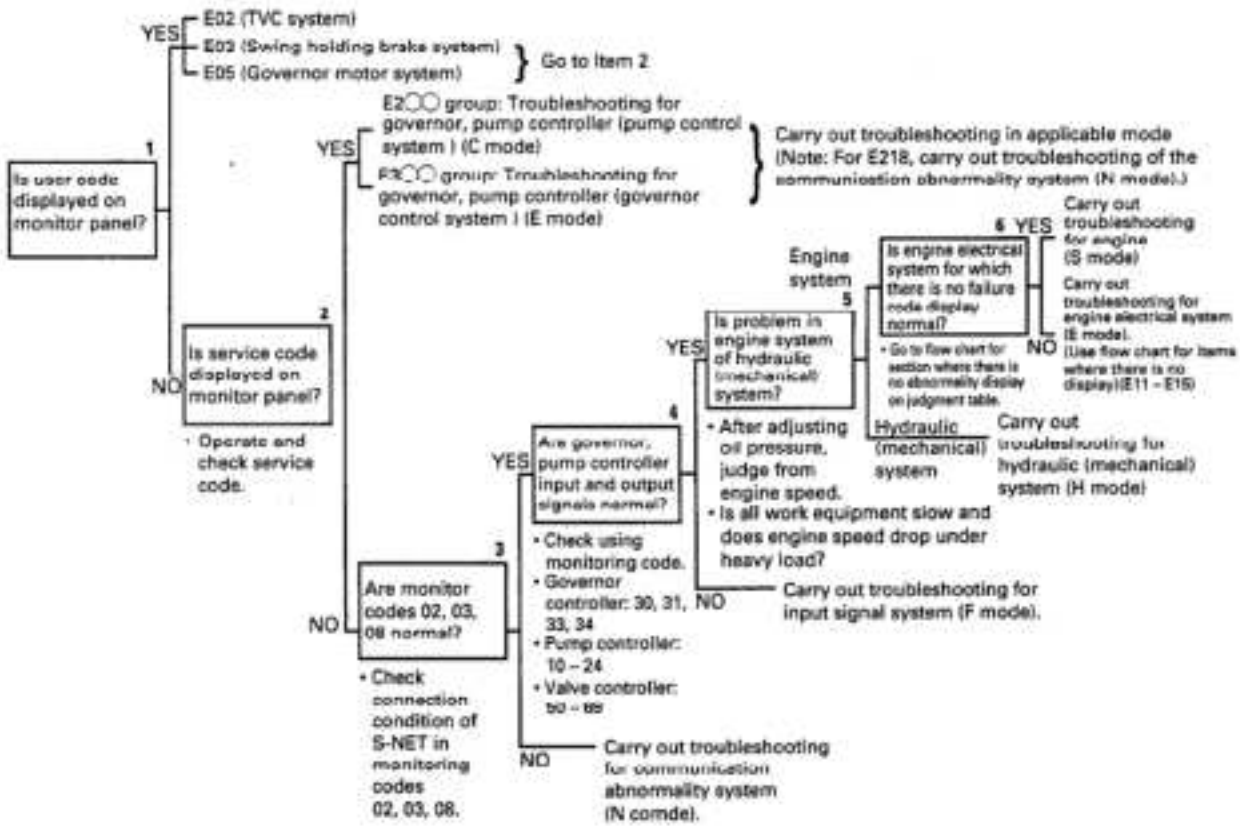
★ When selecting the shoe width, select the narrowest shoe possible within the range that will give no problem with flotation and ground pressure.
If a shoe wider than necessary is used, there will be a large load on the shoe, and this may lead to bending of the shoe, cracking of the links, breakage of the pins, loosening of the shoe bolts, or other problems.

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DETAILS OF TROUBLESHOOTING AND TROUBLESHOOTING PROCEDURE

If any abnormality should occur, it is necessary to go to the correct troubleshooting chart in accordance with the judgement table for that type of failure (governor, pump controller (governor control system) and governor, pump controller (pump control system). For details of the troubleshooting and troubleshooting procedure, refer to this flow chart.
When carrying out troubleshooting, ask the operator as much as possible about the condition of the machine, and check the following items before starting.
(1) Condition of controller connection (check with monitoring codes 02 – 03)
(2) Blown fuses
(3) Battery voltage (monitoring mode 32)
(4) Electricity generation (charge input) voltage (monitoring code 43)

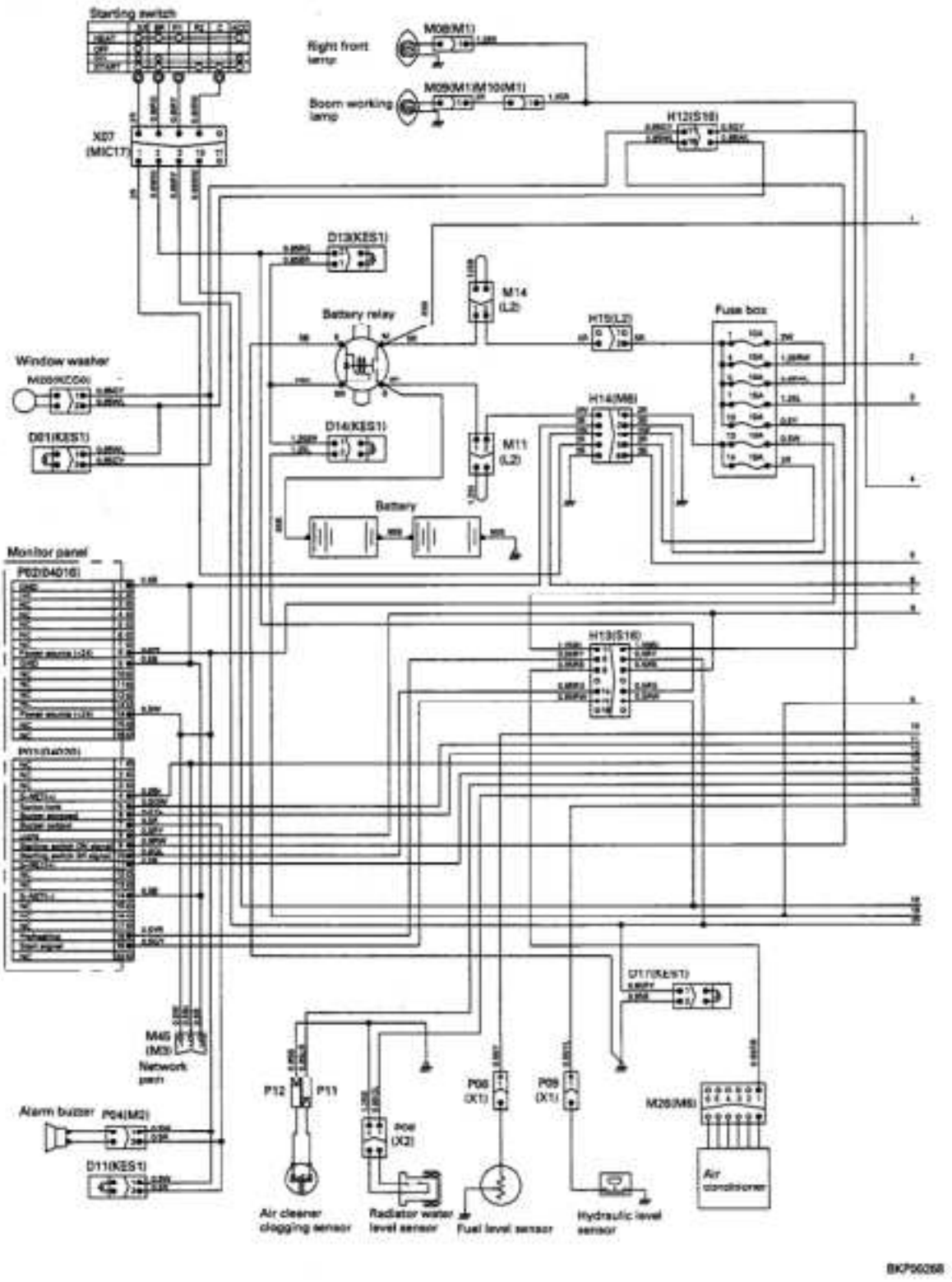
The procedure for carrying out check items No. 3 and 4 in the flow chart below is given on the following pages.



★ For details, see governor, pump controller (governor control system) (pump control system) in the JUDGEMENT TABLE.

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ELECTRICAL CIRCUIT DIAGRAM FOR M MODE



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Fuse box connection table

Fuse No.	Connection table
1	Governor,pump controller
2	Solenoid valve
3	Air conditioner(motor)
4	Right head lamp,working lamp
5	Radio,cigarette lighter,Air conditioner(contrl) Heater,Window washer,L.H. knob switch Automatic lubrication system
6	Horn
7	Wiper,power window
8	OPT front lamp,rear working lamp
9	L/S,OPT trouble alarm
10	Starting switch signal
11	OPT
12	
13	Alarm buzzer,monitor
14	Starting switch
15	Room lamp,radio(backup)

Radio connector connection table

Terminal No.	Connection table	
1	SPEAKER(LEFT,+)	
2	SPEAKER(+)	RIGHT
3	ACC +B	
4		
5	SPEAKER(LEFT,-)	
6	SPEAKER(-)	RIGHT
7	GND	
8	BACK UP(+)	
9		

Panel ASS'Y

Swing prolix switch

ON:Swing FREE
OFF:Normal

Resistor 8.5 Ω

Pump prolix circuit switch
ON:Pump controller prolix
OFF:Normal

Cigarette lighter

Antenna

Radio

Starting switch

Fuel control dial

Included in starting switch

Lamp relay

Fuse box

Speaker(Left)

Speaker(Right)

Kerosene mode selector switch
Connected:Kerosene
Disconnected:Diesel

Governor,pump controller

(To 2/3)

Automatic lubrication warning lamp

For troubleshooting

Wiper motor

Wiper motor controller

Without power window

Monitor

Network bus

Alarm buzzer

Base assembly

Room lamp

CAB ground

Panel ground

White

Blue

(To 2/3)

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