CEBM016902

Shop Manual

KOMATSU®

GALEO

PC400LC-7E0

HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC400LC-7E0 A87001 and up

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Possible causes and standard value in normal state	Cause		Standard value in normal state/Remarks on troubleshooting		
	7	Defective swing signal	In the case monitoring is not normally indicated, proceed to troubleshooting No. E-28.		
			Monitoring code	Item	Normal display
			01900	Swing	Operation of lever: ON Lever in neutral: OFF
	8	Defective travel signal	In the case monitoring is not normally indicated, proceed to troubleshooting No. E-29.		
			Monitoring code	Item	Normal display
			01900	Travel	Operation of lever: ON Lever in neutral: OFF
	9	Defective attachment signal	In the case monitoring is not normally indicated, proceed to troubleshooting No. E-30.		
			Monitoring code	Item	Normal display
			01901	Service	Operation of lever: ON Lever in neutral: OFF
	10	Defective pump controller	Since trouble is in system, troubleshooting cannot be carried out. (If causes 1 - 9 above are not detected, engine controller may be defective.)		

E-3 AUTOMATIC WARMING-UP DOES NOT OPERATE

Trouble	• Automatic warming-up system does not operate
Related information	• When engine coolant temperature is below 30°C [86°F], automatic warm-up system raises engine speed to 1,250 rpm. • If fuel control dial is opened more than 70% for 3 seconds or longer when starting switch is turned ON or after engine is started, automatic warm-up system is turned OFF.

Possible causes and standard value in normal state	Cause		Standard value in normal state/Remarks on troubleshooting		
	1	Defective engine coolant temperature signal	In the case monitoring is not normally indicated, proceed to troubleshooting No. E-14.		
			Monitoring code	Item	Normal display
			04102	Engine coolant temperature	Compare with actual engine coolant temperature
	2	Defective pump controller	Since trouble is in system, troubleshooting cannot be carried out. (If causes stated above are not detected, engine controller may be defective.)		

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E-29 AIR CONDITIONER DOES NOT OPERATE

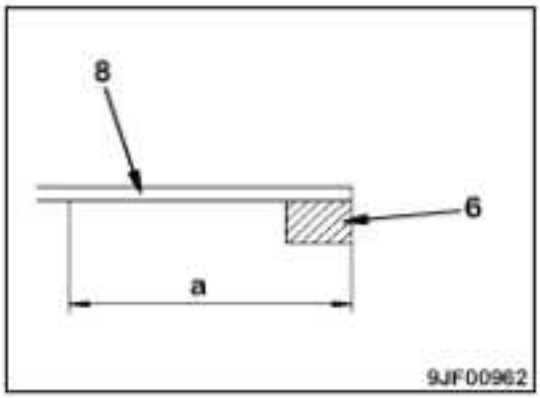
Trouble	• Air conditioner does not start.
Related information	• For electrical circuit inside the air conditioner unit, refer to the structure, function and maintenance standard, "Air conditioner system".

Possible causes and standard value in normal state

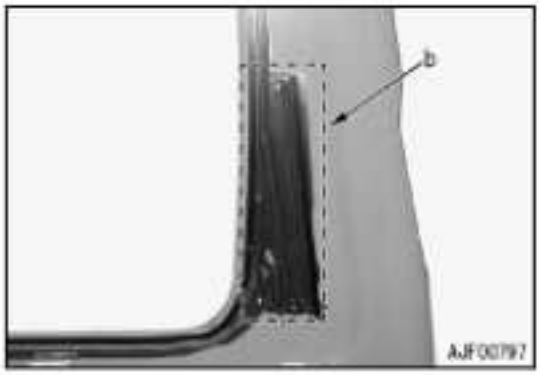
	Cause	Standard value in normal state/Remarks on troubleshooting		
1	Defective fuse No. 11	If fuse is burnt, circuit probably has ground fault.		
2	Defective A/C Hi/Lo pressure switch (Internal disconnection or defective contact)	★ Prepare with starting switch OFF, then carry out troubleshooting without turning starting switch ON.		
		P17 (Male)	Resistance	
		Between (1) - (2)	Max. 1 Ω	
3	Disconnection in wiring harness (Disconnection in wiring or defective contact in connector)	★ Prepare with starting switch OFF, then carry out troubleshooting without turning starting switch ON.		
		Wiring harness between F01-11 outlet - M26 (male) (5)	Resistance	Max. 1 Ω
		Wiring harness between M26 (male) (12) - P17 (female) (1)	Resistance	Max. 1 Ω
		Wiring harness between M26 (male) (8) - chassis ground	Resistance	Max. 1 Ω
		Wiring harness between P17 (female) (2) - J04 - A07 - chassis ground	Resistance	Max. 1 Ω
4	Ground fault in wiring harness (Short circuit with GND circuit)	★ Prepare with starting switch OFF, then carry out troubleshooting without turning starting switch ON.		
		Wiring harness between F01-11 outlet - M26 (male) (5) and chassis ground	Resistance	Min. 1 MΩ
		Wiring harness between M26 (male) (12) - P17 (female) (1)	Resistance	Min. 1 MΩ
5	Defective air conditioner unit	★ Prepare with starting switch OFF, then turn starting switch ON and carry out troubleshooting. (The table indicates internal defect of an air conditioner)		
		M26	Voltage	
		Between (5) - (8)	20 - 30 V	

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★ Parts to be coated with primer: Apply the primer all over dimension (a).
- Dimension to apply primer (a): 25 mm (0.984 in)



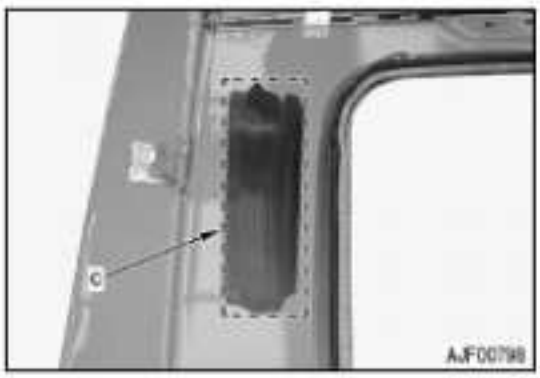
★ In addition to the above parts, apply the primer to right side window glass (1) and door lower window glass (3).
- Range to apply primer additionally for right side window glass (1): (b)



- Range to apply primer additionally for door lower window glass (3): (c)

★ After applying the primer, leave it for at least 5 minutes (within 8 hours) to dry.

★ Never apply wrong primer. If the glass primer is applied by mistake, wipe it off with white gasoline.



D. 4) Evenly apply glass primer to the sticking surfaces of window glass (9).

Glass primer:
SUNSTAR GLASS PRIMER 580 SUPER or equivalent

★ Do not apply the primer more than 2 times.
If it is applied more than 2 times, its performance will be degraded.



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UNDERCARRIAGE INSPECTION

(Program form No.: SELA195001)

Komatsu
Undercarriage Inspection

KUC

Customer name:
Address:

Model	PC400LC-7E0	Serial#	Equip#	Work Order No.	
Location		SMR		Wet,AR,HD or Dry	DRY
Soil condition		Dealer		Shoe width (mm)	
Working condition		Inspector		Shoe type	TRIPLE
Insp.Date(yyyy/mm/dd)				Wear type	NORMAL

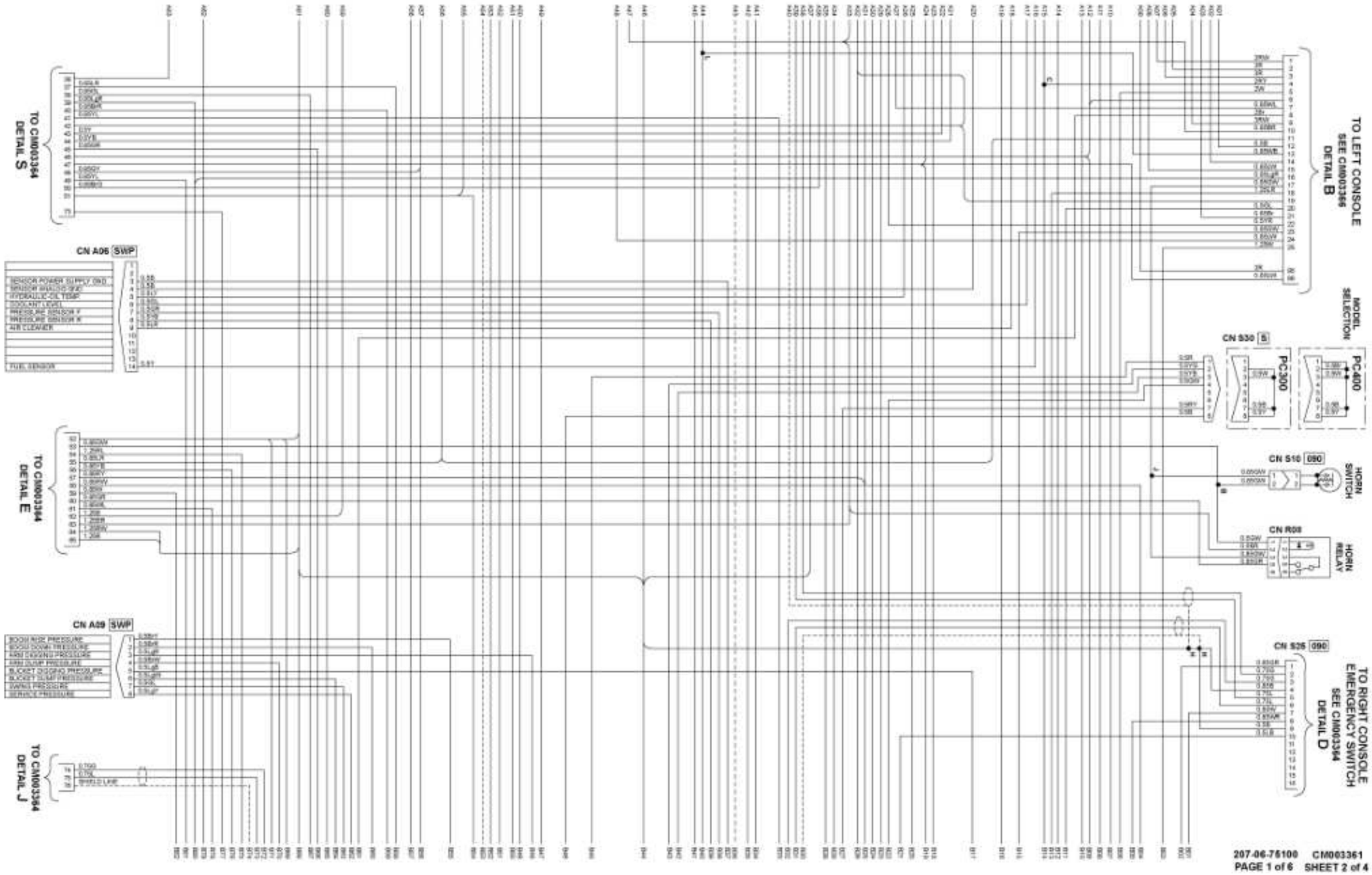
			New	100% Wear	Measured mm	Wear %	SMR New	SMR Rebuilt	Hours of Parts:	Comments/Observation
LINK PITCH	N	LH	815.8	927.8						
		RH	815.8	927.8						
	M	LH	228.90	231.90						
		RH	228.90	231.90						
LINK HEIGHT		LH	129.0	119.0						
		RH	129.0	119.0						
BUSHING		LH	71.5	66.5			New	Turned		
		RH	71.5	66.5			New	Turned		
GROUSER HIGHT		LH	37.0	22.0						
		RH	37.0	22.0						
CARRIER ROLLER	Front	LH	148.0	134.0						
		RH	148.0	134.0						
	Rear	LH	148.0	134.0						
		RH	148.0	134.0						
IDLER	Front	LH	22.0	28.0						
		RH	22.0	28.0						
	Rear	LH	22.0	28.0						
		RH	22.0	28.0						
TRACK ROLLER	1	LH	200.0	166.0						
	2	LH	200.0	166.0						
	3	LH	200.0	166.0						
	4	LH	200.0	166.0						
	5	LH	200.0	166.0						
	6	LH	200.0	166.0						
	7	LH	200.0	166.0						
	8	LH	200.0	166.0						
	9	LH	200.0	166.0						
	10	LH	200.0	166.0						
	1	RH	200.0	166.0						
	2	RH	200.0	166.0						
	3	RH	200.0	166.0						
	4	RH	200.0	166.0						
	5	RH	200.0	166.0						
	6	RH	200.0	166.0						
	7	RH	200.0	166.0						
	8	RH	200.0	166.0						
	9	RH	200.0	166.0						
	10	RH	200.0	166.0						
SPROCKET		LH	0.0	0.0						
		RH	0.0	0.0						

Remarks:

CM003433

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