SEBM010911

Shop Manual

KOMATSU®

PC60-7
PC60-7B

HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC60-7 52374 and up
PC60-7B 52374 and up
PC60-7 55720 and up (For Norway)

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November 2004

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SPECIFICATIONS

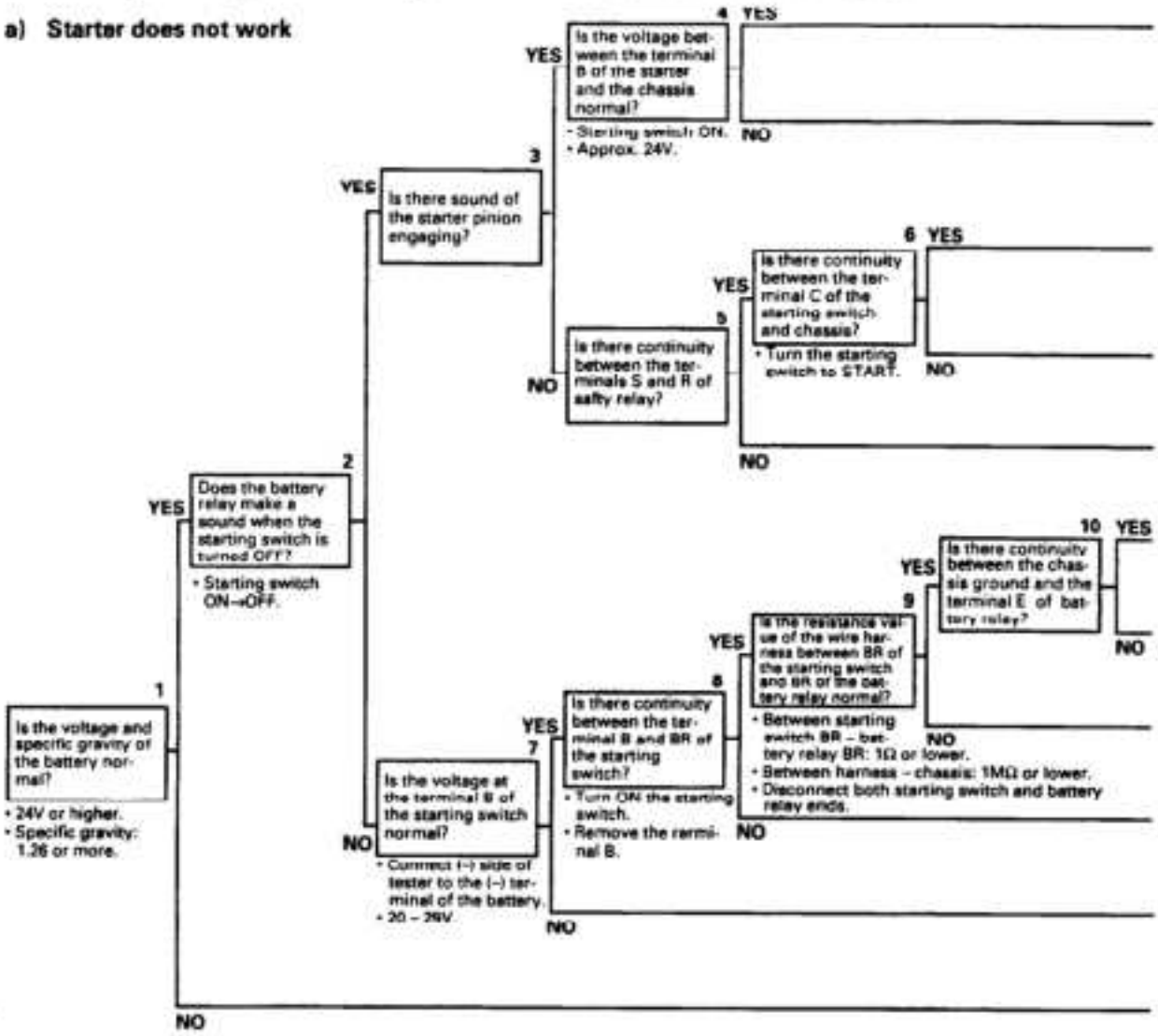
Machine model				PC60-7	
				Standard specification	Blade specification
Serial Number				52374 — 57999	52374 — 57999
Bucket capacity			m³	0.25	0.25
Operating weight			kg	6,200	6,700
Performance	Working ranges	Max. digging depth	mm	4,100	4,100
		Max. vertical wall depth	mm	3,505	3,505
		Max. digging reach	mm	6,360	6,360
		Max. reach at ground level	mm	6,220	6,200
		Max. digging height	mm	7,150	7,150
		Max. dumping height	mm	5,015	5,015
		Max. lifting height of blade	mm	—	410
		Max. lowering depth of blade	mm	—	270
	Max. digging force		kN (kg)	47 (4,800)	47 (4,800)
	Swing speed		rpm	12	12
	Swing max. slope angle		deg.	20	20
	Travel speed		Km/h	Lo 2.8 Hi 4.5	Lo 2.8 Hi 4.5
	Gradeability		deg.	35	35
	Ground pressure (standard shoe width: 450 mm)		kPa {kg/cm²}	29.42 {0.30}	30.40 {0.31}
Dimensions	Overall length (for transport)		mm	6,080	6,080
	Overall width		mm	2,225	2,280
	Overall width of track		mm	2,150	2,150
	Overall height (for transport)		mm	2,590	2,590
	Overall height (to top of cab)		mm	2,590	2,590
	Ground clearance, counterweight		mm	750	750
	Min. ground clearance		mm	350	350
	Tail swing radius		mm	1,750	1,750
	Min. swing radius of work equipment		mm	1,750	1,750
	Height of work equipment at min. swing radius		mm	5,460	5,460
	Length of track on ground		mm	2,130	2,130
	Track gauge		mm	1,700	1,700
	Height of machine cab		mm	1,750	1,750
	Blade width x height		mm	—	2,260 × 470

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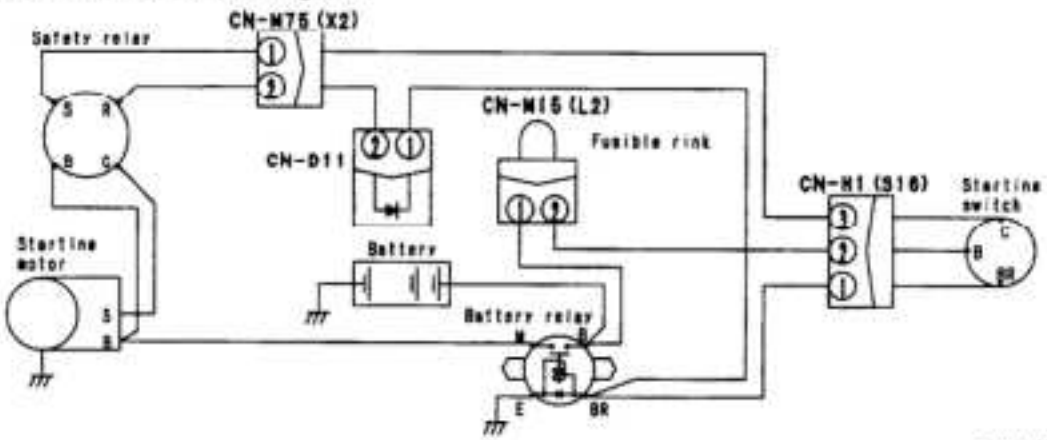
E-7 Engine does not start

★ Before carrying out this troubleshooting, check for engagement failure at relating connectors.
★ Before proceeding to the next step, make sure to restore removed connectors.

a) Starter does not work



E-7 a) Related electrical circuit diagram

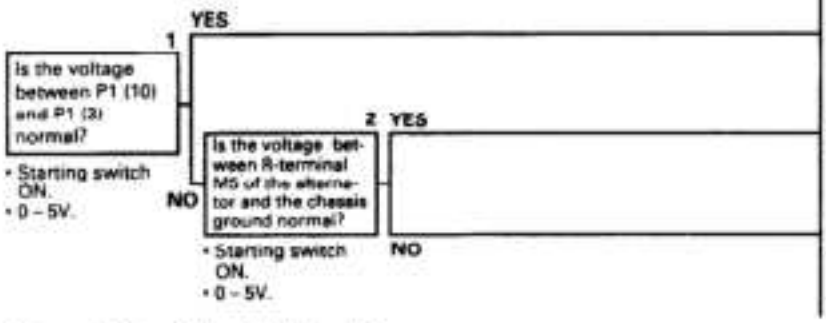


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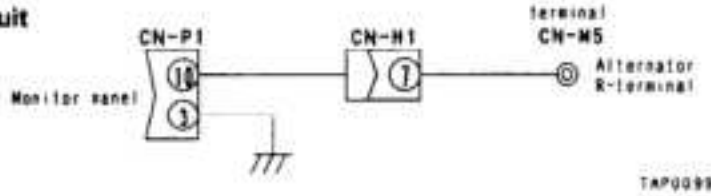
M-4 When turning ON the power (before engine starting), charge caution lamp does not light up

★ Before carrying out this troubleshooting, check for engagement failure at relating connectors.
★ Before proceeding to the next step, make sure to restore removed connectors.
★ Check for the breaking wire in the bulb (lamp) before this troubleshooting.



Cause	Remedy
Defective monitor panel	Replace
Breaking wire or contact failure in the wire harness between P1 (10) – H1 (7), M5 (alternator R-terminal)	Repair or replace
Defective alternator	Replace

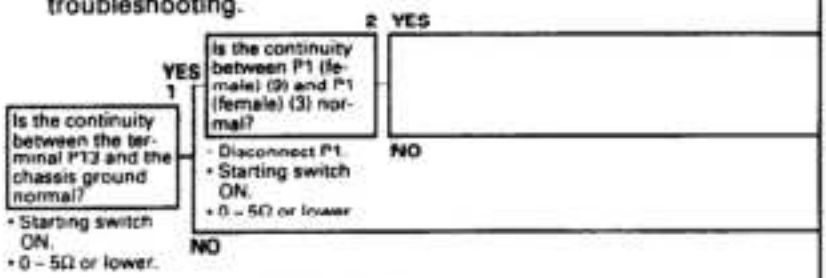
M-4 Related electrical circuit



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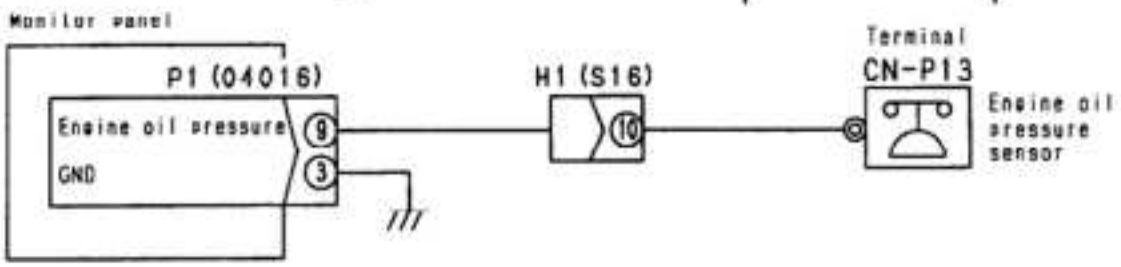
M-5 When turning ON the power (before engine starting), engine oil pressure caution lamp does not light up.

★ Before carrying out this troubleshooting, check for engagement failure at relating connectors.
★ Before proceeding to the next step, make sure to restore removed connectors.
★ Check for the breaking wire in the bulb (lamp) before this troubleshooting.



Cause	Remedy
Defective monitor panel	Replace
Breaking wire in the wire harness between P1 (9) – H1 (10) – terminal P13	Repair or replace
Defective engine oil sensor	Replace

M-5 Related electrical circuit diagram

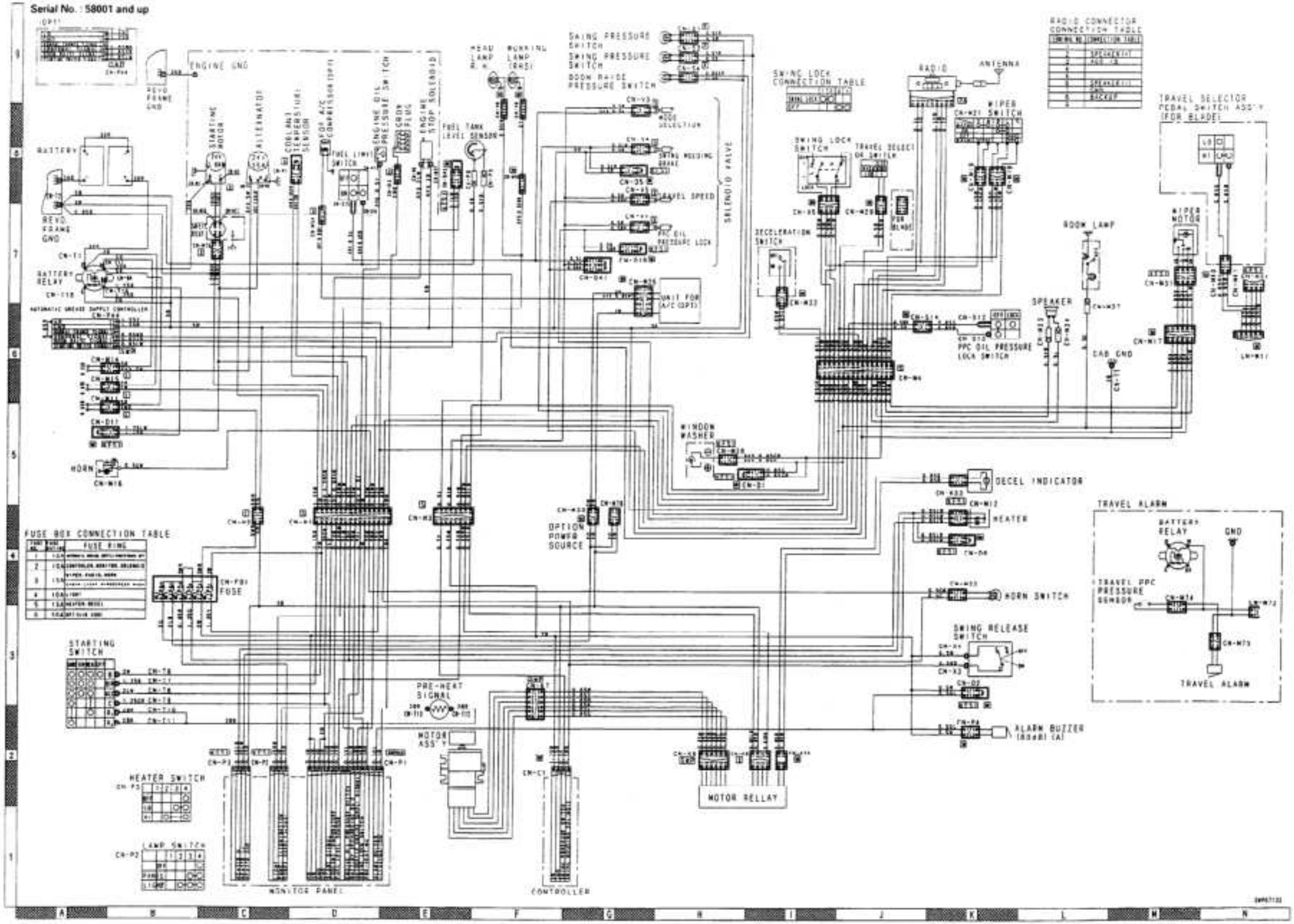


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ELECTLIC CIRCUIT DIAGRAM

Serial No. : 58001 and up



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