SEBM036406

SHOP MANUAL

KOMATSU®

AIR CONDITIONER

MidWestTech | Komatsu Air Conditioner Excavator, Truck, Grader, Loader Dozer Service Manual | Publication SEBM036406

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Table 1

Terminals of both ends of wiring harness to be measured	Connector to be disconnected	Resistance
M26 (male) (3) – Pressure cutout switch (female) (2)	M26, pressure cutout switch	Max. 1Ω
M26 (male) (6) – Thermistor amplifier (female) (3)	M26, thermistor amplifier	
Blower resistor (female) (2) - Power supply relay (female) (2)	Blower resistor, power supply relay	
Power supply relay (female) (4) - Thermistor amplifier (female) (4)	Power supply relay, thermistor amplifier	
Thermistor amplifier (female) (2) – Pressure cutout switch (female) (1)	Thermistor amplifier, pressure cutout switch	
Hot water selector motor valve (female) (1) – Air conditioner panel (female) (18)	Hot water selector motor valve, air conditioner panel	
Hot water selector motor valve (female) (2) – Air conditioner panel (female) (8)		
Hot water selector motor valve (female) (3) – Air conditioner panel (female) (19)		
Hot water selector motor valve (female) (4) – Air conditioner panel (female) (20)		
Hot water selector motor valve (female) (5) – Air conditioner panel (female) (10)		

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AIR CONDITIONER IS DEFECTIVE

a) Air conditioner does not operate

User code	Error code	Failure code	Trouble	Air conditioner is defective a) Air conditioner does not operate
–	–	–		
Contents of trouble	• The air conditioner does not operate.			
Action of monitor panel or controller	–			
Problem that appears on machine	–			
Related information	• Check that the fuse is not broken and the wiring harness between connectors is free of disconnection in advance. • If the air conditioner switch is turned ON but no air comes out when the air flow selector switch (blower switch) is turned ON (set in position 1, 2, or 3), carry out troubleshooting for "b) Air does not come out or air flow does not change" in advance.			

		Cause	Standard value in normal state/Remarks on troubleshooting		
Possible causes and standard value in normal state	1	Defective air conditioner switch	★ Prepare with starting switch OFF, then carry out troubleshooting without turning starting switch ON.		
			Air conditioner switch connector	Switch position	Resistance
			C–D	ON	Max. 1Ω
				OFF	Min. 1MΩ
	2	Disconnection in wiring harness (Disconnection in wiring harness or defective contact in connector)	★ Prepare with starting switch OFF, then carry out troubleshooting without turning starting switch ON.		
			Referring to the circuit diagram, check continuity between connectors.	Resistance	Max. 1Ω
	3	Short circuit with chassis ground in wiring harness (Contact with ground circuit)	★ Prepare with starting switch OFF, then carry out troubleshooting without turning starting switch ON.		
			Referring to the circuit diagram, check insulation between each connector and ground (excluding ground circuit).	Resistance	Min. 1MΩ
	4	Defective control amplifier	★ Prepare with starting switch OFF, then turn starting switch ON and carry out troubleshooting.		
			Replace with normal control amplifier.	Condition becomes normal	Control amplifier is defective
				Condition does not become normal	Control amplifier is normal

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