

## 80 Appendix

Failure code [879AKA] A/C Recirc Air Temp Sens Open

Circuit

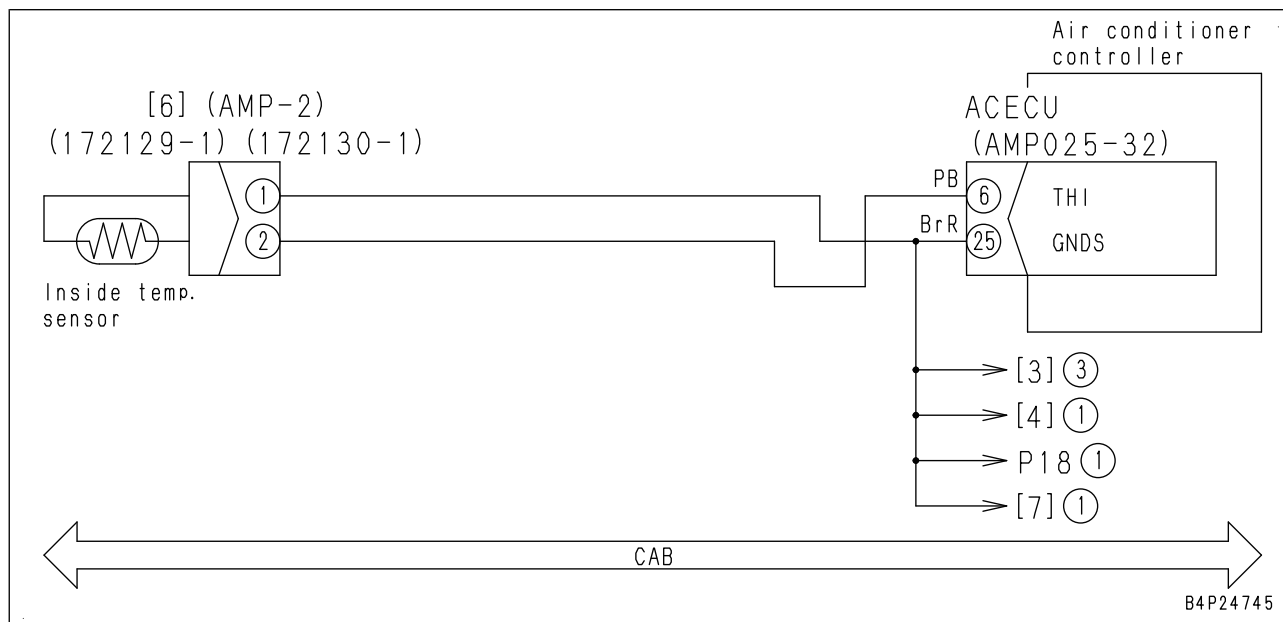
### Failure code [879AKA] A/C Recirc Air Temp Sens Open Circuit (PC88MR-879AKA-

400-A-Z0-A)

Action level	Failure code	Failure	Aircon Recirc Air Temperature Sensor Open Circuit (Machine monitor system)
—	879AKA		
Detail of failure	<ul style="list-style-type: none"> <li>Air conditioner controller detected open circuit in inside (air) temperature sensor.</li> </ul>		
Action of controller	<ul style="list-style-type: none"> <li>The air conditioner controller sends information about the inside (air) temperature sensor open circuit to the machine monitor via CAN communication.</li> <li>Stops the air conditioner if it is in automatic mode.</li> </ul>		
Problem on machine	<ul style="list-style-type: none"> <li>The air conditioner does not operate in automatic mode because of a short circuit in the air conditioner inside air temperature sensor. (The air conditioner can be operated in manual mode)</li> </ul>		
Related information	<ul style="list-style-type: none"> <li>Method of reproducing failure code: Turn starting switch to ON position.</li> <li>Check whether this failure code is displayed on the electrical system abnormality record screen in service mode of the machine monitor.</li> </ul>		

No.	Cause	Procedure, measuring location, criteria, and remarks			
1	Defective inside air temperature sensor (Replacement of air conditioner unit)	1. Turn starting switch to OFF position. 2. Disconnect connector [6].			
		Resistance	Between connector [6] (male) (1) and (2)	0 °C	Approx. 1.6 kΩ
				25 °C	Approx. 5 kΩ
2	Defective air conditioner controller	Air conditioner controller may be defective. (Since this is an internal defect, troubleshooting cannot be performed.)			
3	Defective air conditioner unit	Air conditioner unit may be defective. (Since this is an internal defect, troubleshooting cannot be performed.)			

#### Circuit diagram related to air conditioner inside air temperature sensor



## Failure code [879AKB] A/C Recirc Air Temp Sens Short (PC88MR-879AKB-400-A-Z0-A)

Action level	Failure code	Failure	Aircon Recirc Air Temperature Sensor Short Circuit (Machine monitor system)
—	879AKB		
Detail of failure	<ul style="list-style-type: none"> <li>Air conditioner controller detected short circuit in inside (air) temperature sensor.</li> </ul>		
Action of controller	<ul style="list-style-type: none"> <li>The air conditioner controller sends information about the inside (air) temperature sensor short circuit to the machine monitor via CAN communication.</li> <li>Stops the air conditioner if it is in automatic mode.</li> </ul>		
Problem on machine	<ul style="list-style-type: none"> <li>The air conditioner does not operate in automatic mode because of a short circuit in the air conditioner inside air temperature sensor. (The air conditioner can be operated in manual mode)</li> </ul>		
Related information	<ul style="list-style-type: none"> <li>Method of reproducing failure code: Turn starting switch to ON position.</li> <li>Check whether this failure code is displayed on the electrical system abnormality record screen in service mode of the machine monitor.</li> </ul>		

No.	Cause	Procedure, measuring location, criteria, and remarks			
1	Defective internal air sensor (Defective air conditioner unit)	1. Turn starting switch to OFF position. 2. Disconnect connector [6].			
		Resistance	Between connector [6] (male) (1) and (2)	0 °C	Approx. 1.6 kΩ
				25 °C	Approx. 5 kΩ
2	Defective air conditioner controller	Air conditioner controller may be defective. (Since this is an internal defect, troubleshooting cannot be performed.)			
3	Defective air conditioner unit	Air conditioner unit may be defective. (Since this is an internal defect, troubleshooting cannot be performed.)			

### Circuit diagram related to air conditioner inside air temperature sensor

