

# Rail Heater check (System level check list)

Measure at connectors on Cable harness 5431607-2

Test condition (room temperature around 23C)

- Connect all heaters and thermistors
- Connect all cables on both of routing board
- For voltage check, pin position becomes reverse.
- For resistance check, disconnect cables at CFHC and measure at cable connector pin

Location	Measuring point A	Measuring point B	Resistance	Voltage
Heater center (zone 2)	P9-1	P9-4	10~14 ohm (*1) 12~15 ohm (*2)	40~48V
Heater low ch side (zone 1)	P9-2	P9-7	52~64 ohm	
Heater high ch side (zone 3)	P9-3	P9-8	52~64 ohm	
Low ch thermistor	P8-1	P8-9	6kohm(37C)~ ~10kohm(25C)~ ~11kohm(23C)~ ~13kohm(18C)	NA
Center thermistor	P8-2	P8-10		
High ch thermistor	P8-3	P8-11		
Thermostat low ch side (zone 1&2)	P7-1	P7-3	<1.0ohm	<1.0V
	P7-1	Detector frame	Isolated	40~48V
Thermostat high ch side (zone 3)	P7-2	P7-4	<1.0ohm	<1.0V
	P7-2	Detector frame	Isolated	40~48V

Note

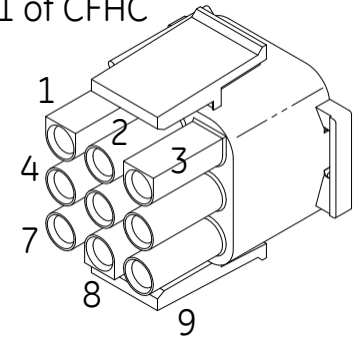
(\*1) MBU P/N 5503765 (wide detector type)

(\*2) MBU P/N 5802793 (slim detector type)

Connectors on Cable 5431607-2

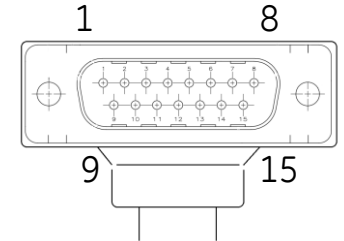
P9

Cable side 9 pin connector to J1 of CFHC



P8

Cable side 15 pin connector to J5 of CFHC



P7

Cable side 4 pin connector to J7 of CFHC

