

◆SCM80ZG-S

⚠ CAUTION – HIGH VOLTAGE

High voltage is produced in the control box. Don't touch electrical parts in the control box for 5 minutes after the unit is stopped.

▷ ⊗ Check these points with the power supply on.

Power Source
1 Phase
220-240V 50Hz

Check fuse. There should be conductivity.

● Inspection of inductor conductivity
Remove the connector and check for conductivity. It must be conductive.

● Power supply and serial signal inspection
① to ②: AC220/230/240V
② to ③: Normal if the voltage oscillates between DC 0 and approx. 12V

UNIT A
UNIT B
UNIT C
UNIT D

Color symbol

BK	Black
BL	Blue
BR	Brown
GR	Gray
OR	Orange
RD	Red
WH	White
YL	Yellow
Y/G	Yellow/Green

● Display lamp inspection
• LED E (Abnormality display lamp - Red) ON or flashing: Protection function operating

● Inspection of resistance value of sensor.
Remove the connector and check the resistance value. See the section of sensor characteristics on page 91.

● Inspection of electronic expansion valve
To test if there is voltage.
(Voltage is only applied to the electronic expansion valve when the valve angle is being changed.)
Red to white
Red to Orange
Brown to yellow
Brown to blue
Normal if there is approximately DC 5 V 10 seconds after the power supply is turned on.
If the expansion valve does not operate as shown above, it is defective.

● Inspect power transistor.
Remove the fasten terminal and test output voltage.

