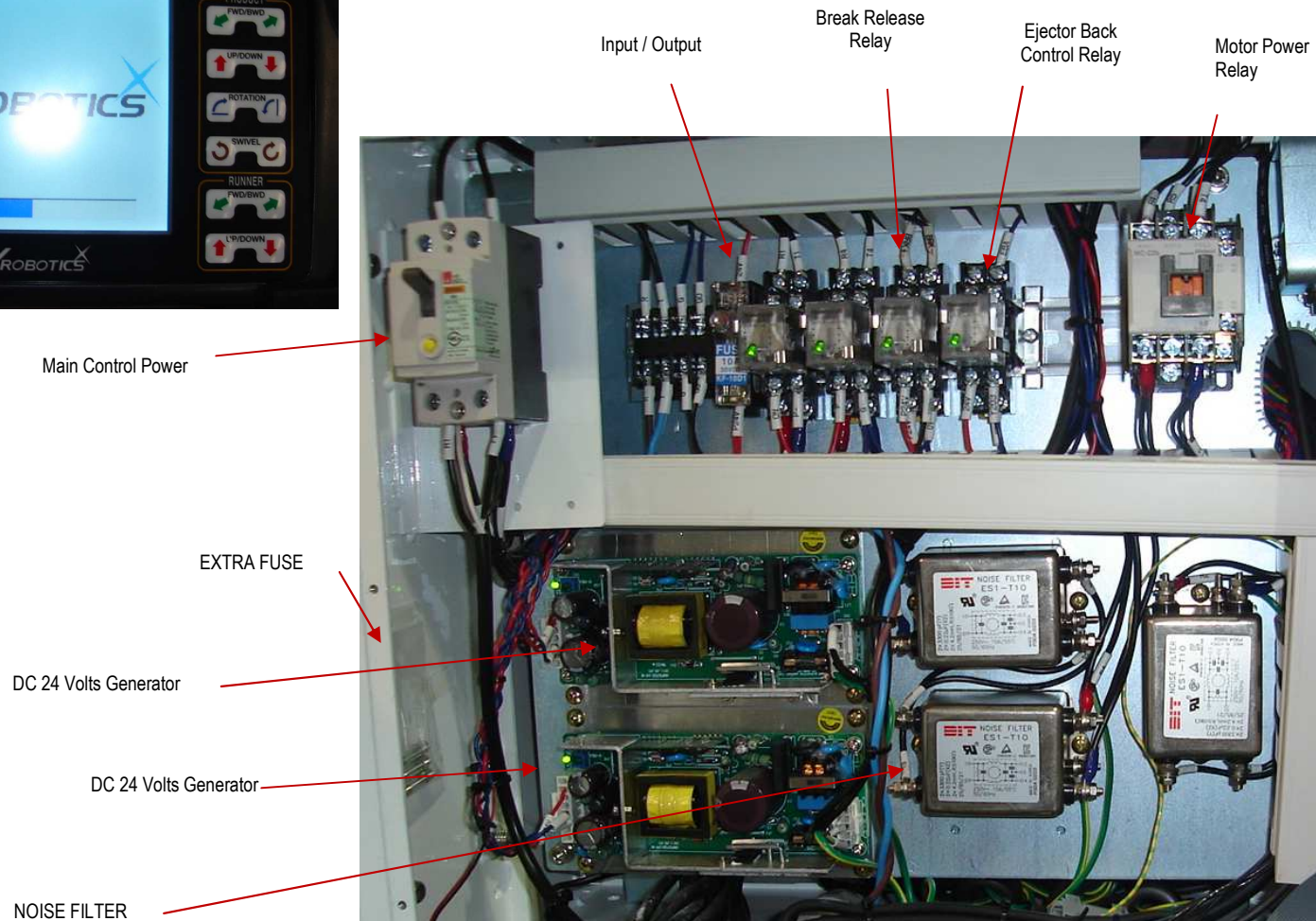
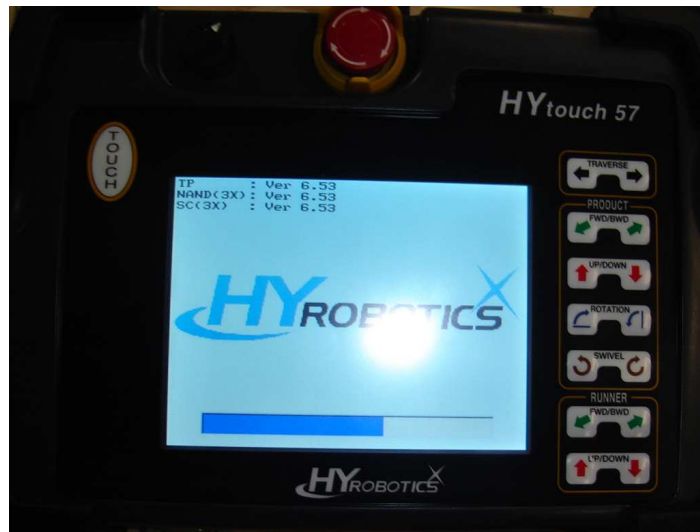


NEXIA, ZEST VECT ROBOT CONTROL BOX TROUBLE SHOOTING

DANGER ! WARNING !
Electric Shock may occur !



Only Qualified Personnel open control box and trouble shooting the robot.. HYRobotics will not responsible any personnel injury (Electric Shock or Fall from height) or property damage following this trouble shooting process.

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NEXIA, ZEST VECT ROBOT CONTROL BOX TROUBLE SHOOTING



Input / Output
FUSE

DANGER ! WARNING !
Electric Shock may occur !

This input and output fuse protection added in 2012 version of HYRobotics products for protection of board when sensor or input signal has short and supply wrong voltage to robot control board.

Alarm code will be Servo Traverse Alarm : 112 after booting.

When you get Traverse Servo Alarm , please check fuse first and check all the cable to connected to servo driver and to servo driver control board.



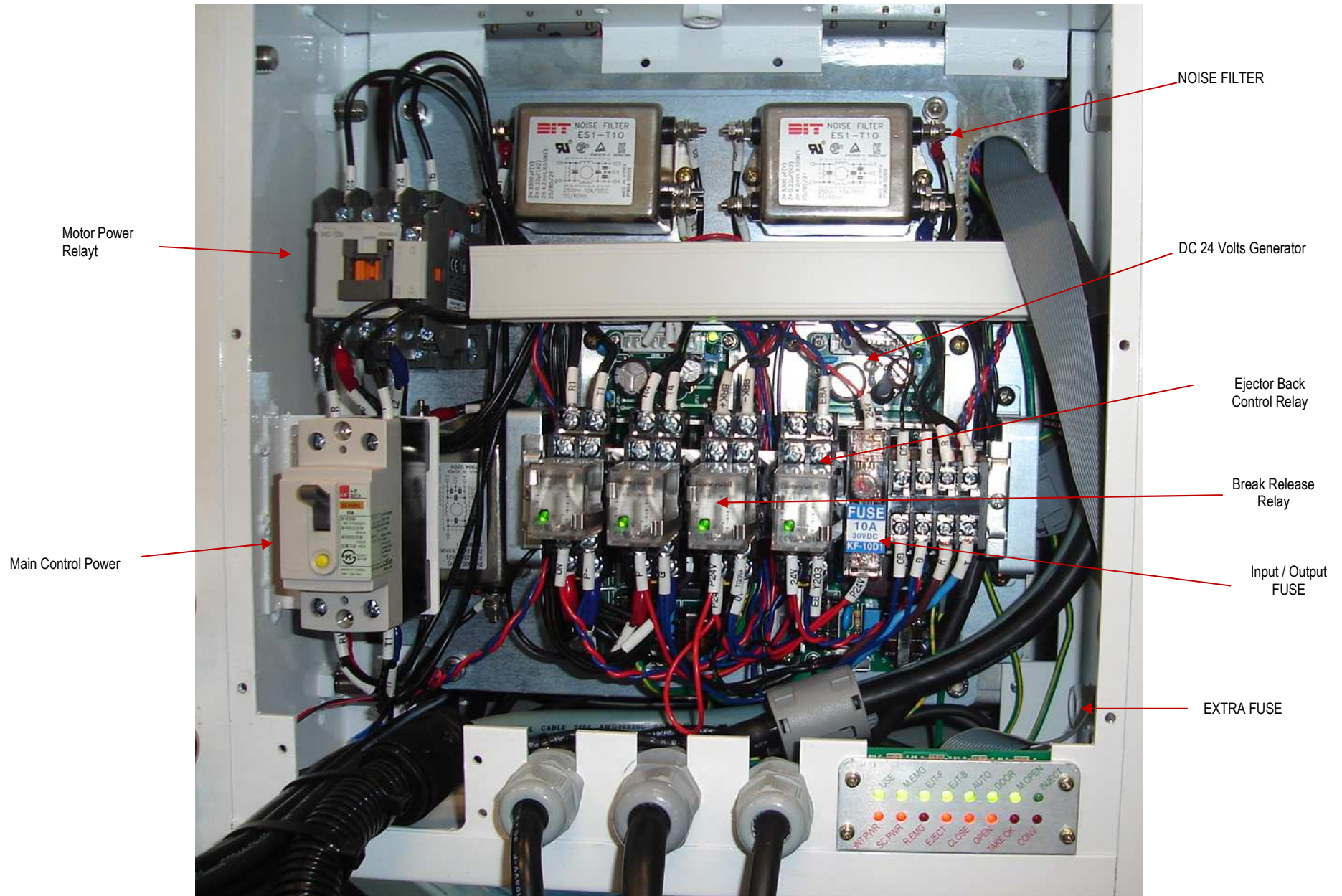
Check Connection of Servo
Driver Cable to Main Control
Board.

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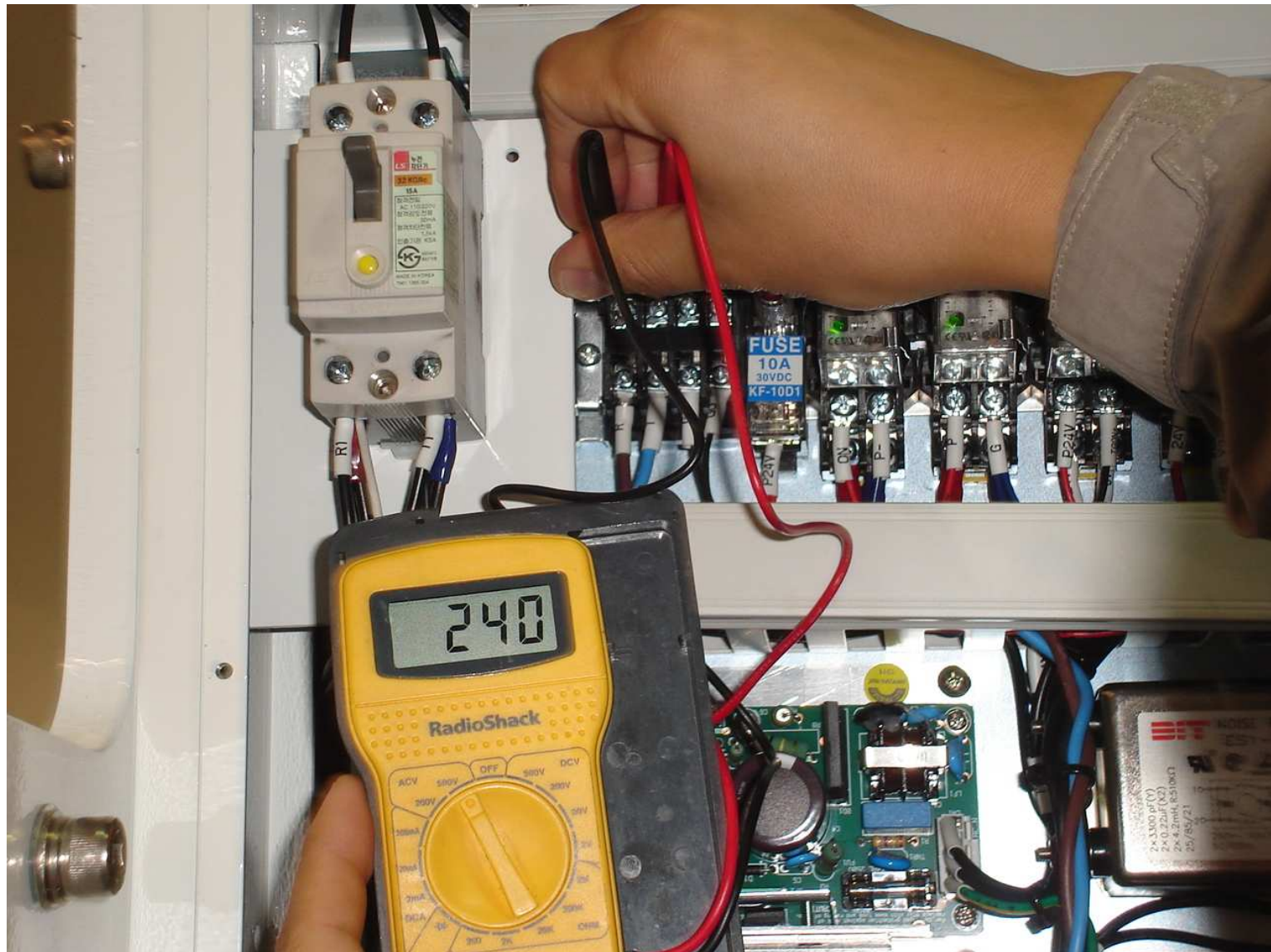
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NEXIA, ZEST VECT ROBOT CONTROL BOX TROUBLE SHOOTING

DANGER ! WARNING ! Electric Shock may occur !

CHECK INPUT VOLTAGE IS AC 200 ~ 240 VOLTS , CHECK AC FROM R AND T FOR 220 AC,



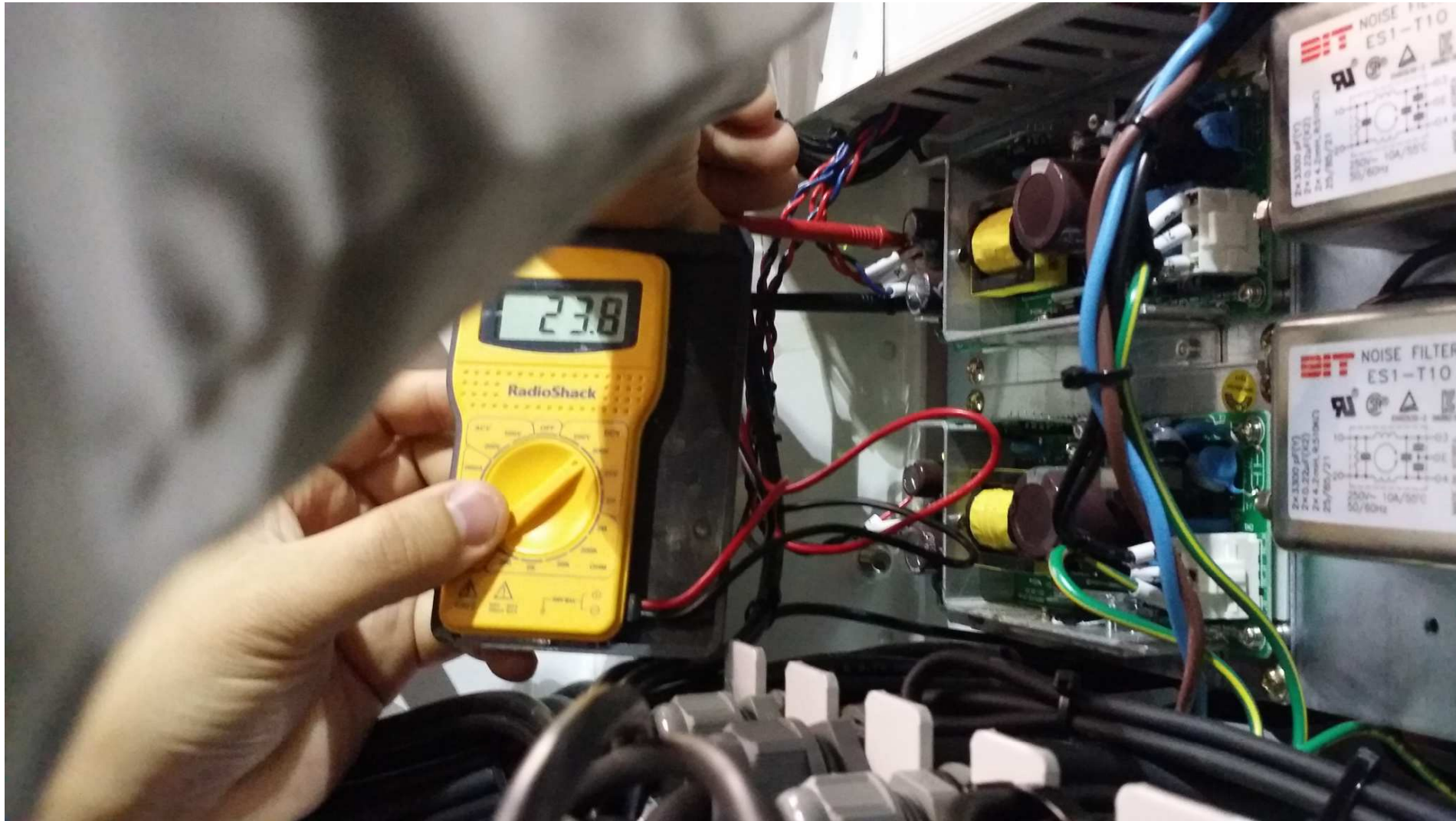
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NEXIA, ZEST VECT ROBOT CONTROL BOX TROUBLE SHOOTING

DANGER ! WARNING ! Electric Shock may occur !

CHECK OUTPUT VOLTAGE IS DC 24 VOLTS FROM DC POWER BOARD : INPUT IS AC 200 ~ 240 VOLTS



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NEXIA, ZEST VECT ROBOT CONTROL BOX TROUBLE SHOOTING

DANGER ! WARNING ! Electric Shock may occur !

CHECK UP/DOWN MOTOR BREAK RELASE RELAY WITH DC 24 VOLTS DC

- When Robot up/down motion has vibration or getting up/down servo motor alarm , check Break relay.
- Rarely Relay LED is on but some Relay is not transferring DC 24 Volts to relay.
- If no voltage going to break, replace relay or check connection from Driver (Servo Driver activate relay with DC 24 Volts)



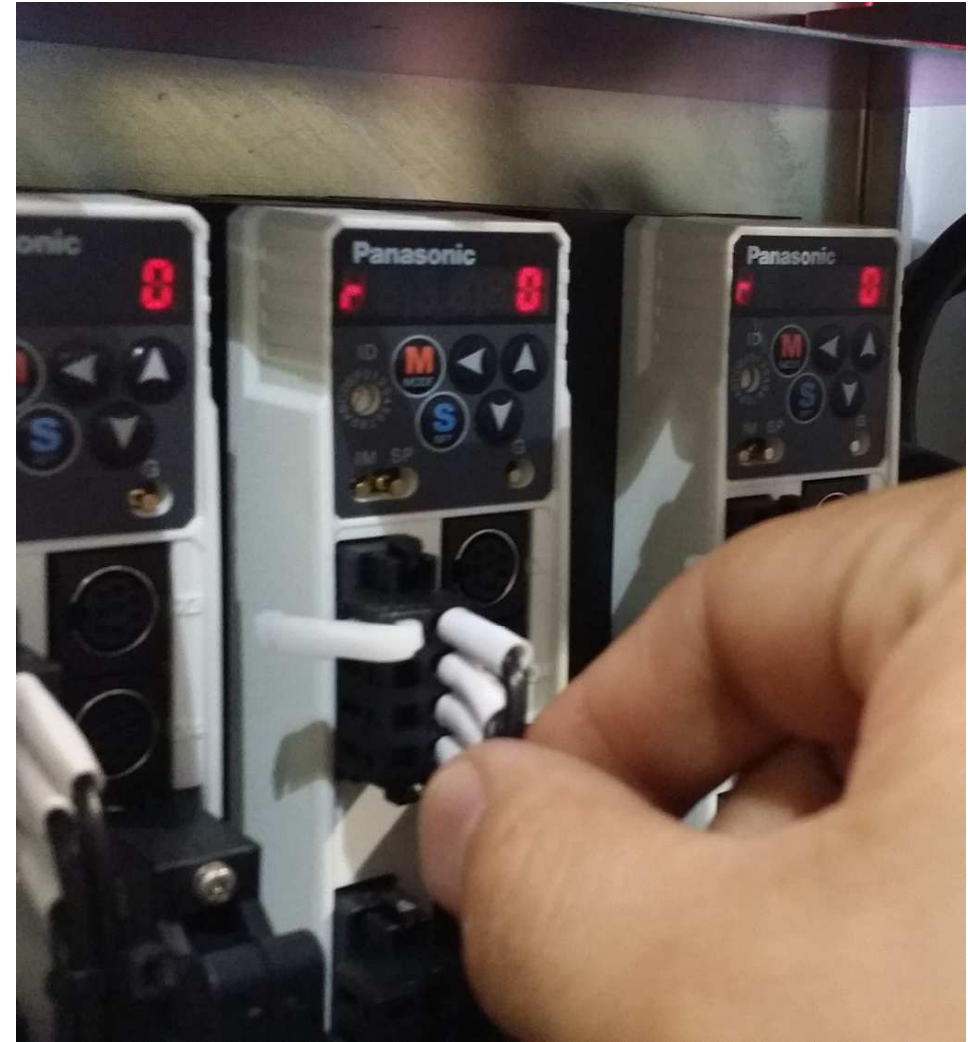
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NEXIA, ZEST VECT ROBOT CONTROL BOX TROUBLE SHOOTING

DANGER ! WARNING ! Electric Shock may occur !

- CHECK Connection of Servo Driver Cable



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NEXIA, ZEST VECT ROBOT CONTROL BOX TROUBLE SHOOTING

DANGER ! WARNING ! Electric Shock may occur !

- Servo Driver (Amplifier) and Main Controller Board



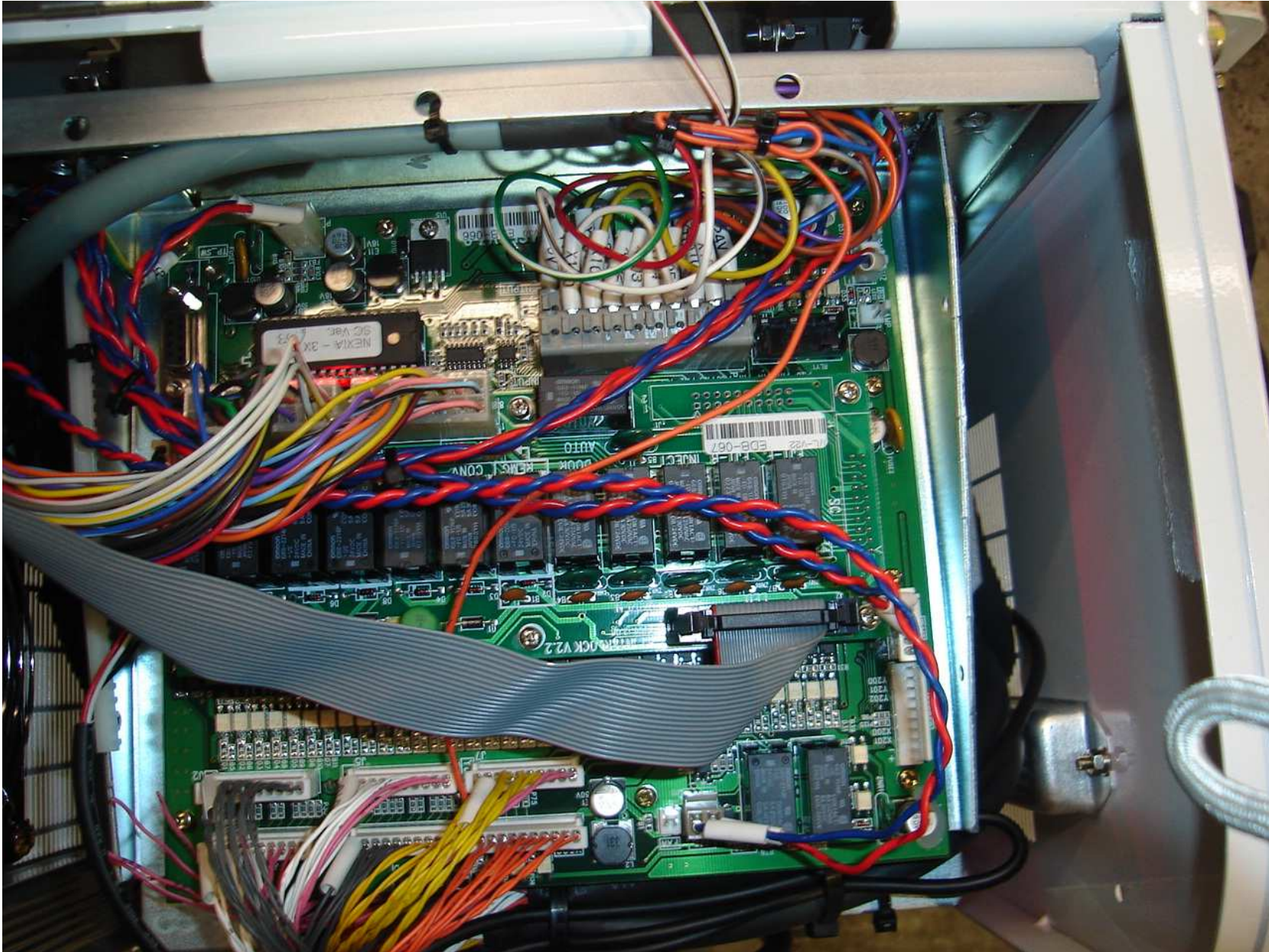
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NEXIA, ZEST VECT ROBOT CONTROL BOX TROUBLE SHOOTING

DANGER ! WARNING ! Electric Shock may occur !

- Main Controller Board and SC memory



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