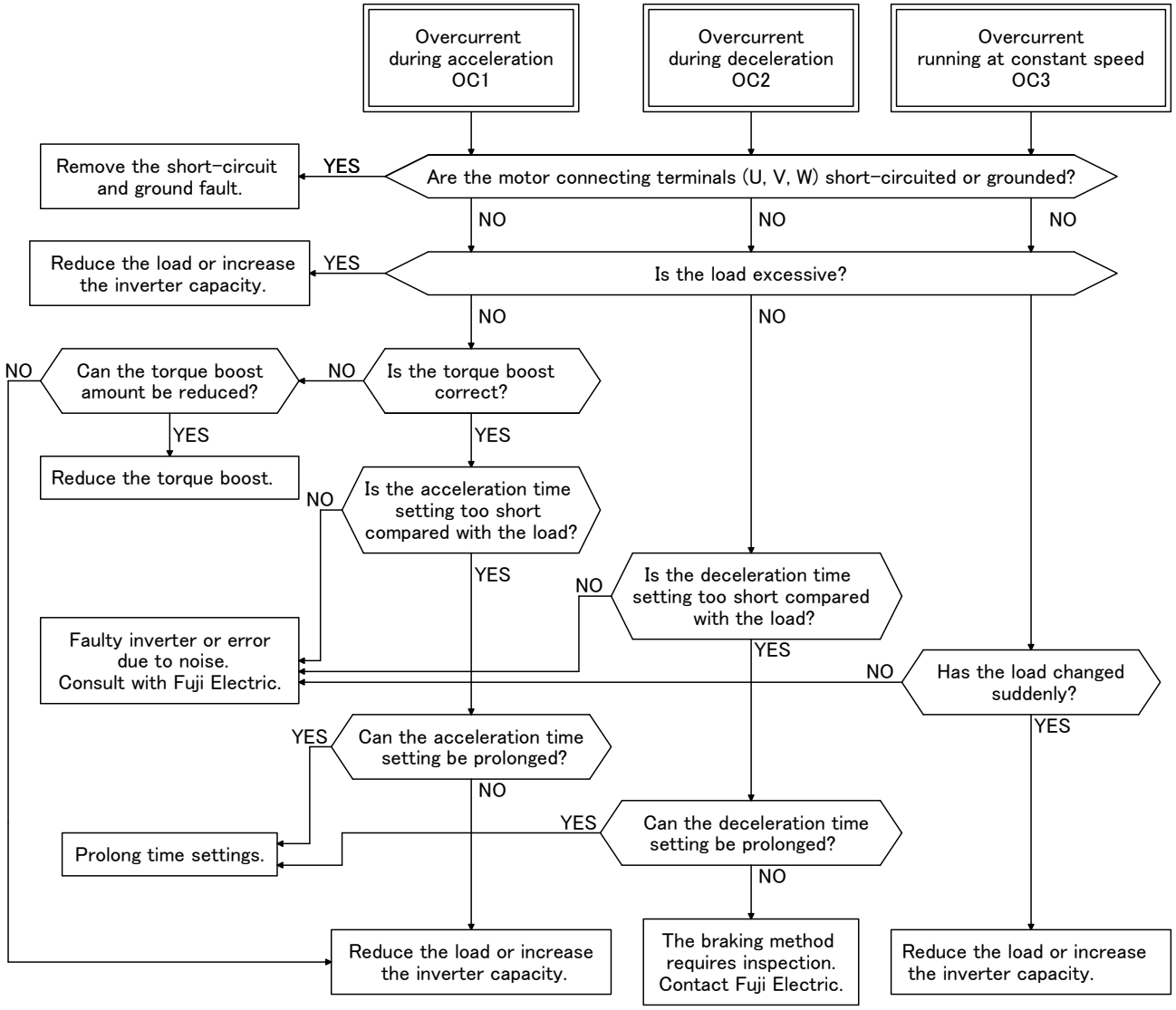
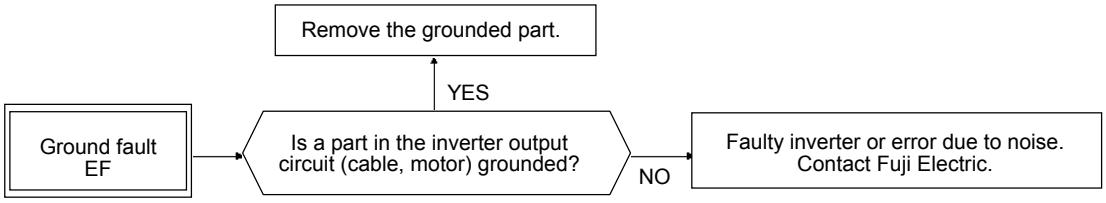
7.Trouble shooting

7.1 Protective function activation

(1) Overcurrent

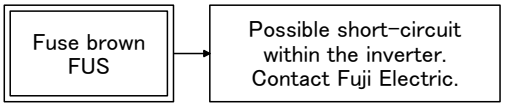


(2) Ground fault

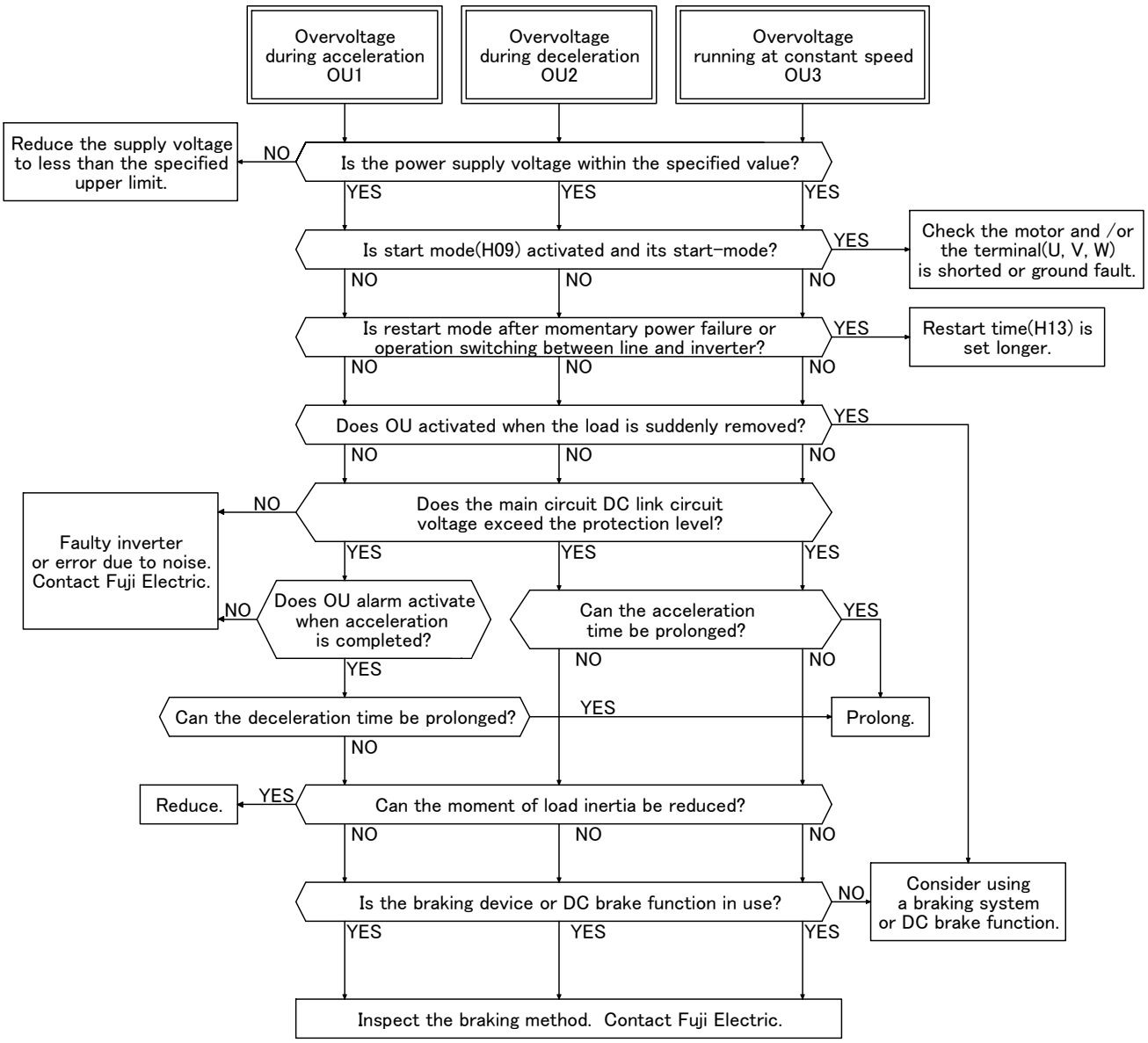


Note:The ground fault protective function is provided only for inverter for nominal applied motors rated at 40HP or more.

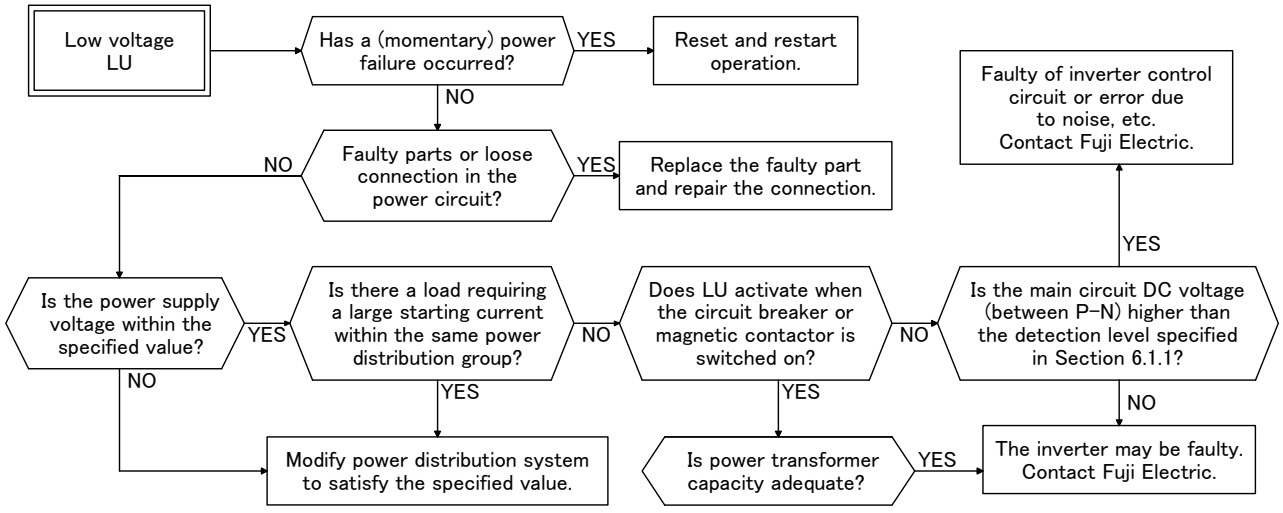
(3) Fuse brown



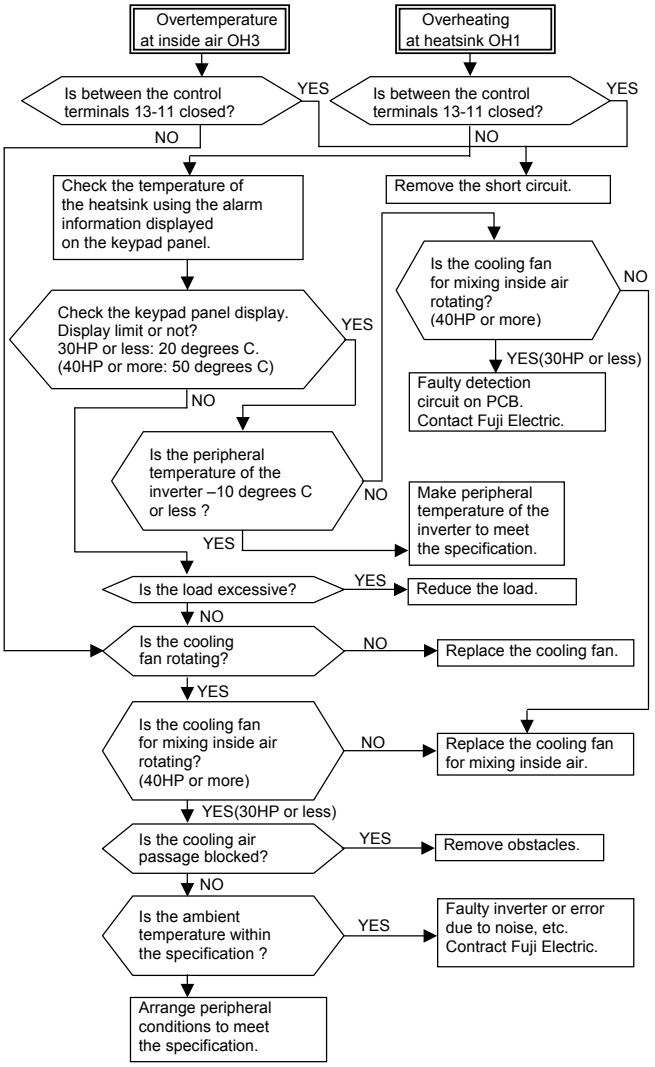
(4) Overvoltage



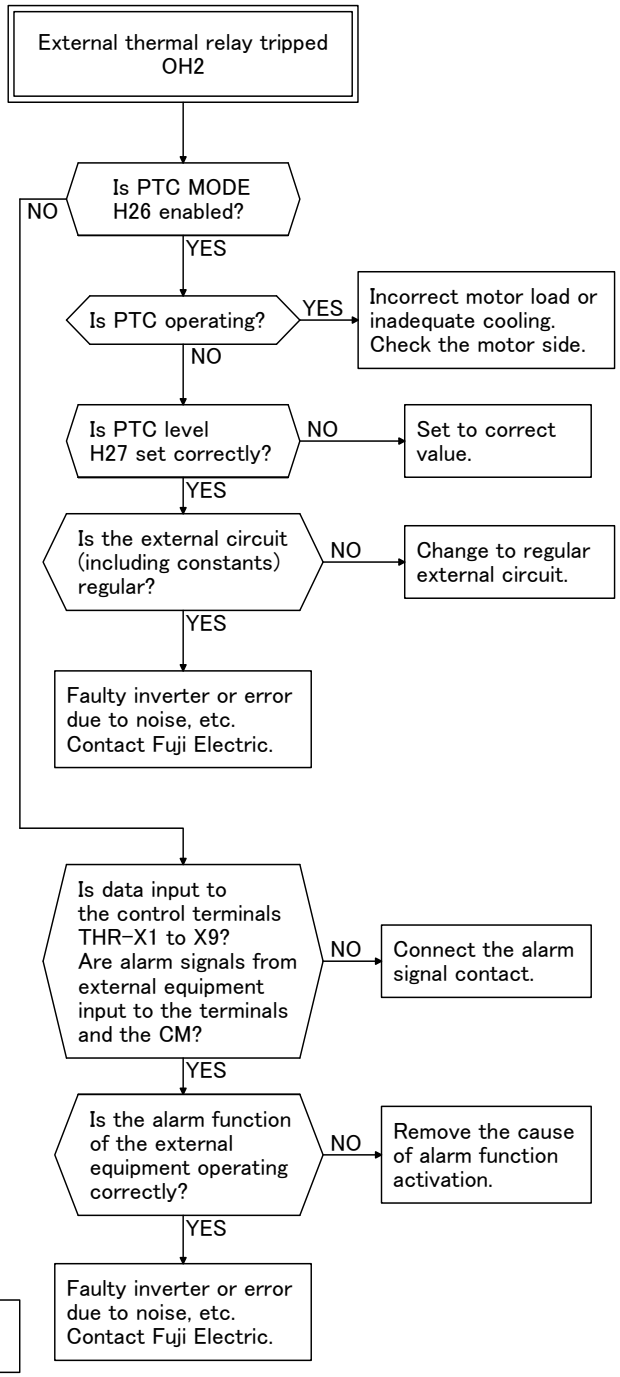
(5) Low voltage



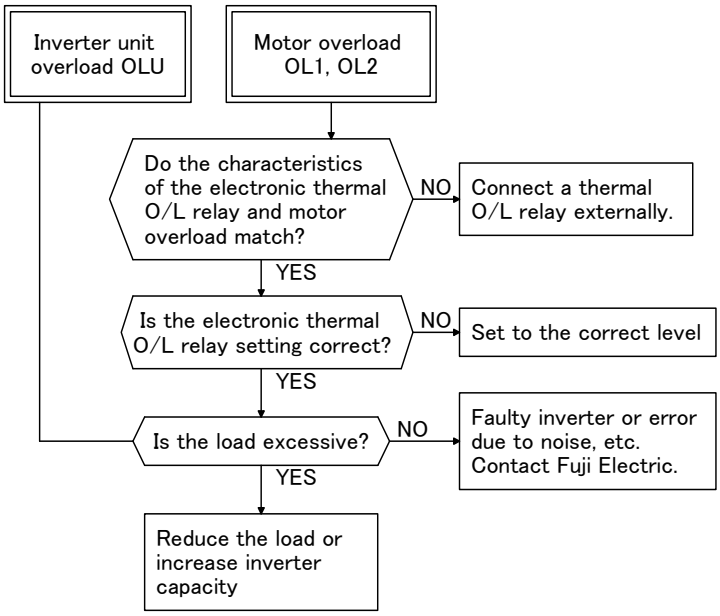
(6) Overtemperature at inside air and overheating at heatsink.



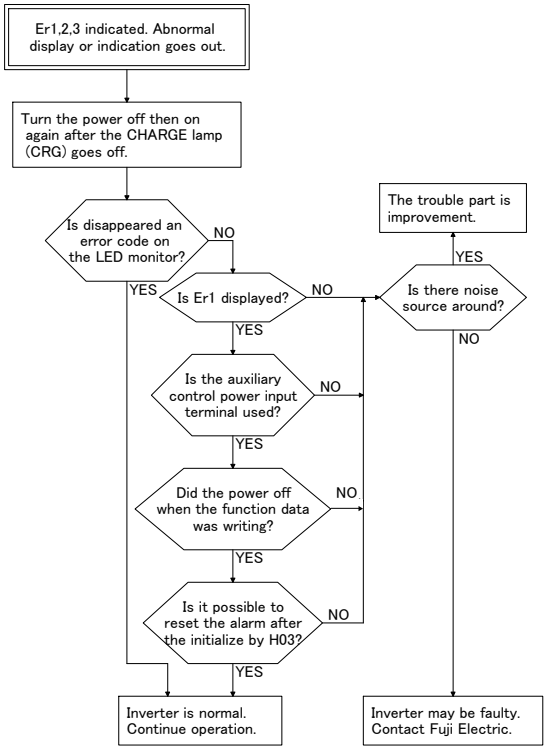
(7) External thermal relay tripped



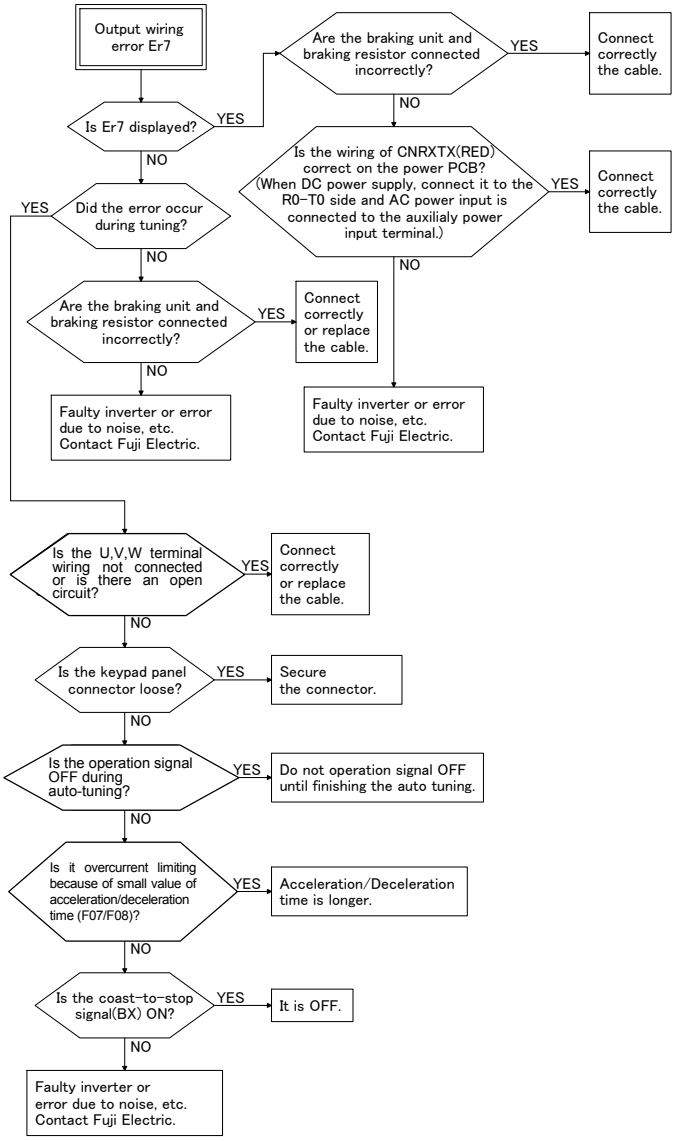
(8) Inverter unit overload and motor overload



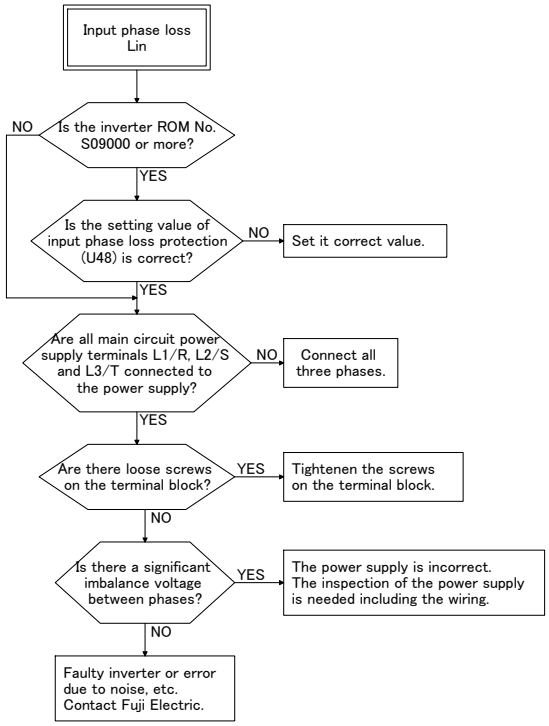
(9) Memory error Er1, Keypad panel communication error Er2, CPU error Er3



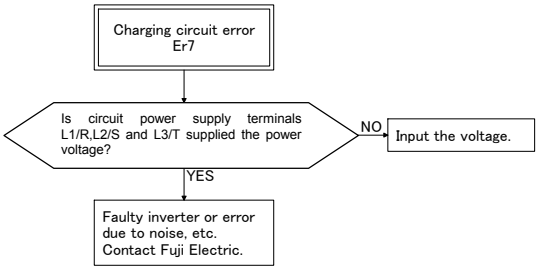
(10) Output wiring error



(11) Input phase loss

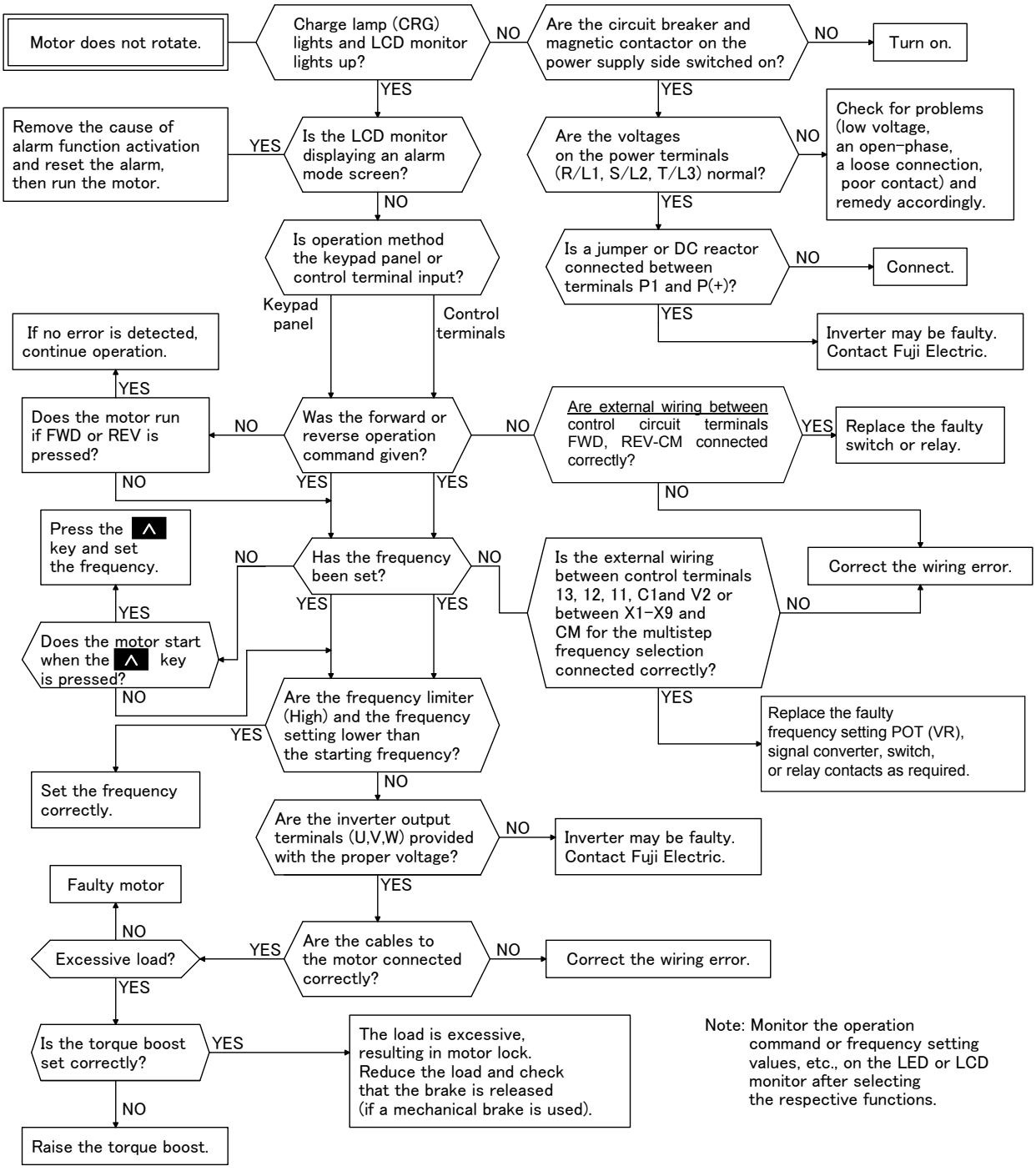


(12) Charging circuit error



7-2 Abnormal motor rotation

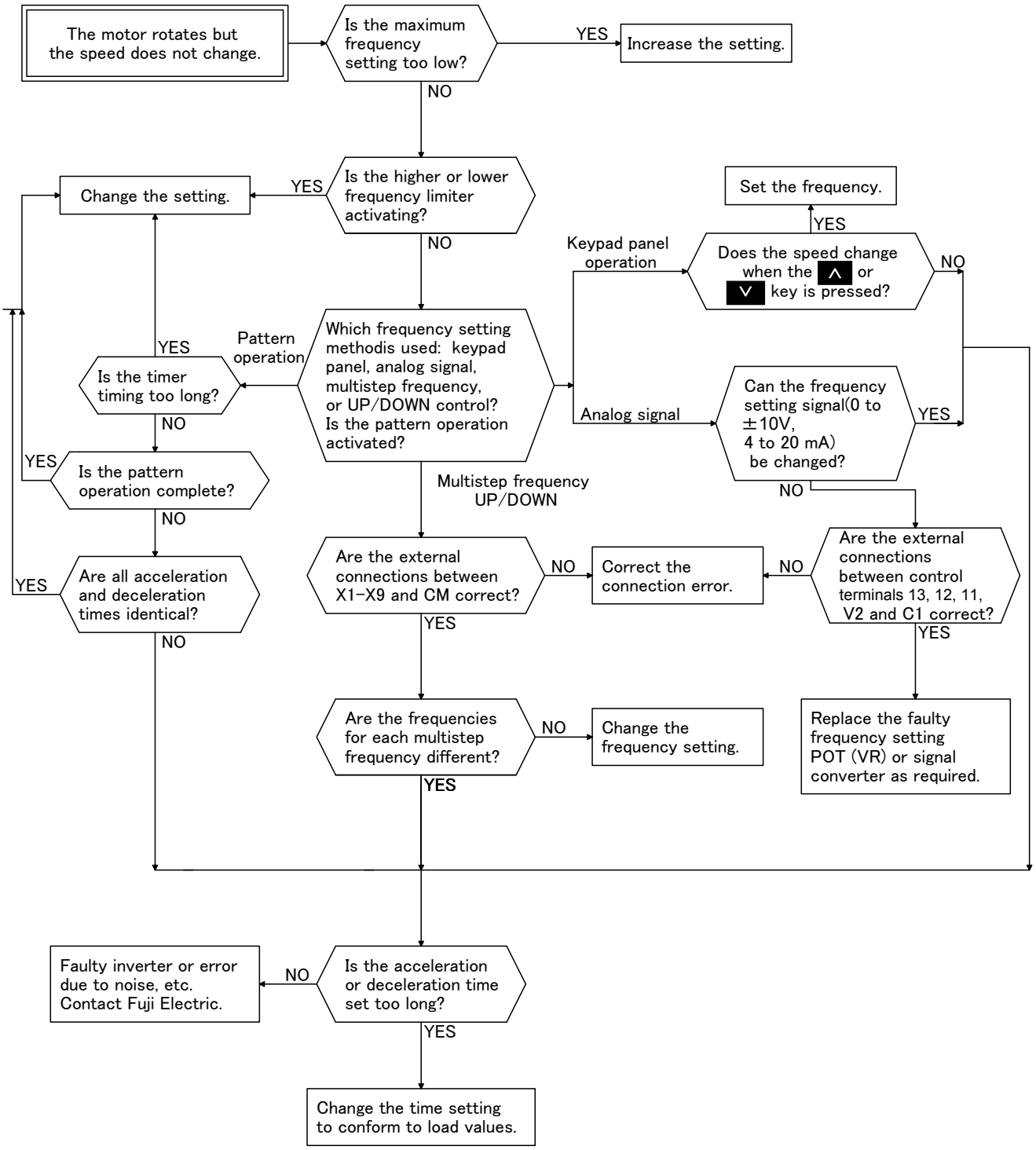
(1) If motor does not rotate



The motor does not rotate if the following commands are issued.

- An operation command is issued while the coast-to-stop or DC braking command is output
- A reverse operation command is issued with the “H08 Rev. phase sequence lock” value set to 1.

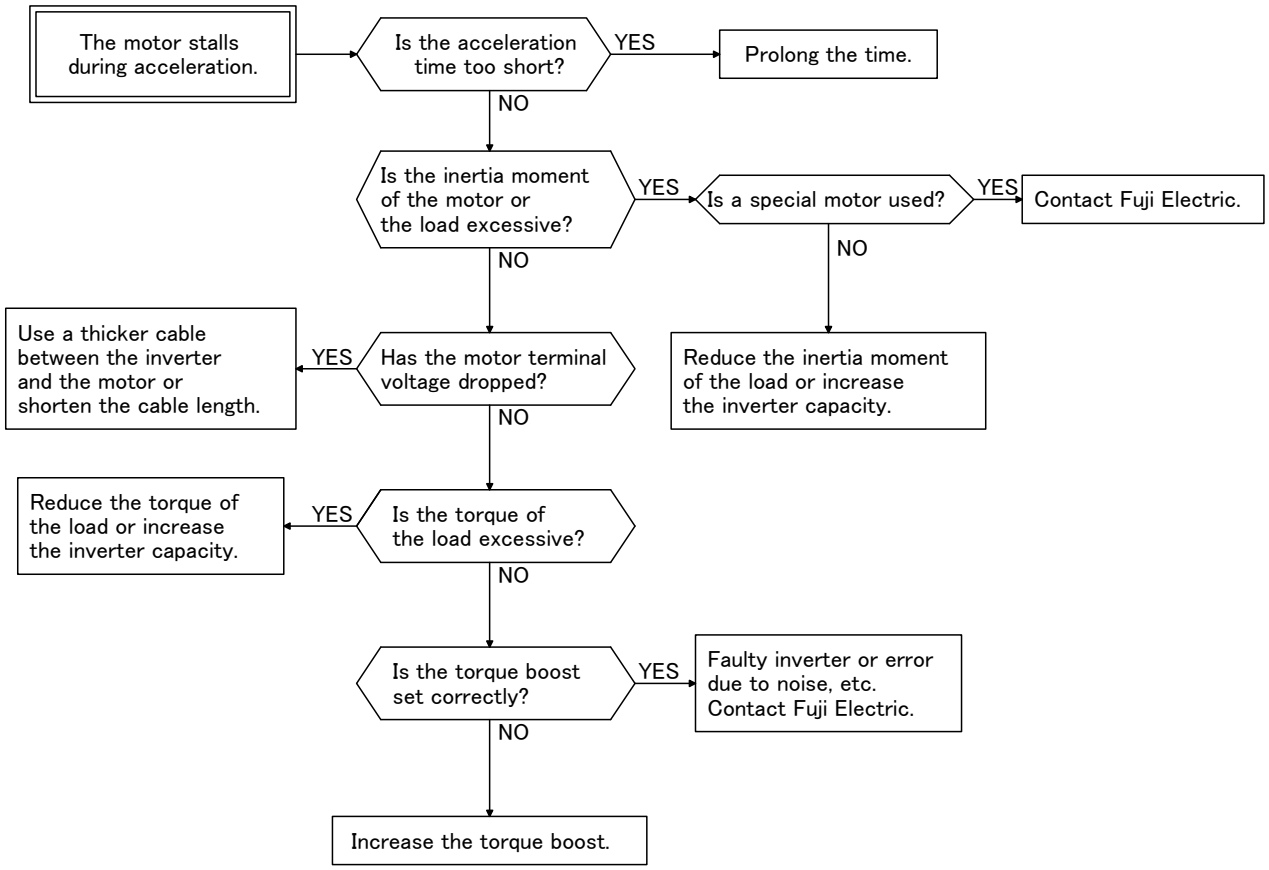
(2) If the motor rotates but the speed does not change



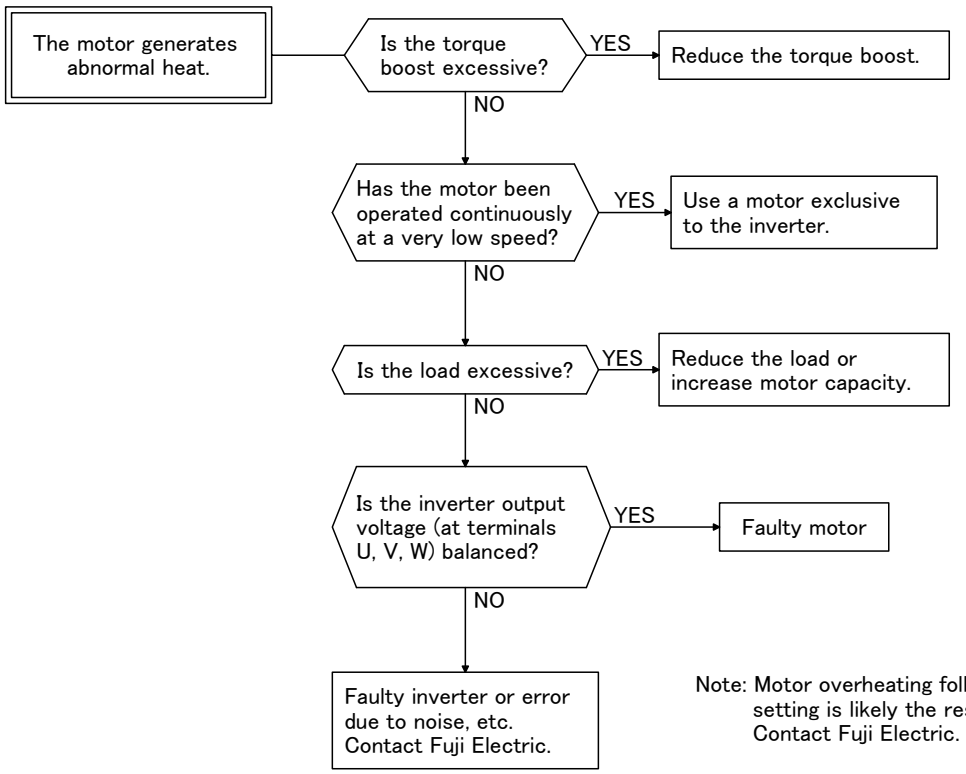
In the following cases, changing the motor speed is also restricted:

- Signals are input from control terminals both 12 and C1 when “F01 Frequency command 1”and “C30 Frequency command 2” are set to 3, and there is no significant change in the added value
- The load is excessive, and the torque limiting and current limiting functions are activated

(3) If the motor stalls during acceleration



(4) If the motor generates abnormal heat



Note: Motor overheating following a higher frequency setting is likely the result of current waveform. Contact Fuji Electric.