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MotoCrane RADICAL won't move or won't power on

SWING OR LIFT DEAD

1. Swap to known good cables.
2. Errors? 035/075/089/109 together = Cortex. 133 = lift stick, 138 = swing stick: recalibrate.
3. E-STOP released?
4. DIAGNOSTICS: does MOTOR CMD move with the stick? If not, SPEED 99, SMOOTH 0.
5. Cannot change SPEED/SMOOTH = controller board.
6. Other axis fine = that joystick.

Both dead: CORTEX POWER LED off = Cortex driver, on = Base/Fulcrum wiring, call support.

NO POWER

1. PSU SYS POWER meter dark: source must be over 42V. Good source + dark meter = PSU.
2. COM PWR LED not green: unplug controller cable at COM, power up. Recovers = controller or its cable.
3. Still down: pull main power output cable. Recovers = that cable, Base or Cortex.
4. Pull short Cortex to Fulcrum cable. Recovers = that cable or Fulcrum.
5. All cables good = Cortex.

Red Fault LED at PSU input = power source problem (reverse polarity).

Independent summary by Moving Shot. Not an official MotoCrane document and not affiliated with MotoCrane, LLC. Source: RADICAL Troubleshooting Guide v4.0 at motocrane.com/knowledge-base. Always follow the current MotoCrane manual. MotoCrane Support: support@motocrane.com, +1 (612) 361-2325. Full guide: movingshot.com/knowledge/motocrane