NAC TROUBLESHOOTING – OPEN CIRCUIT

STEP 1: USE YOUR METER

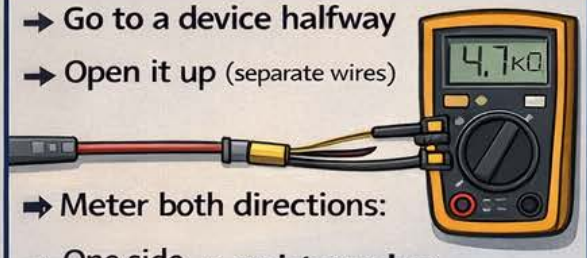
(PRIMARY TOOL)

At the panel or device:

- Measure resistance *across circuit*
- **Infinite (OL)** value (ex. 4.7kΩ / 10kΩ)

STEP 2: FIND MIDPOINT

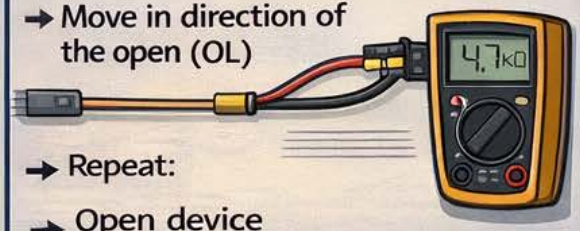
- Go to a device halfway
- Open it up (separate wires)



- Meter both directions:
- One side → **resistor value** (open (OL)

STEP 3: FOLLOW THE OPEN

- Move in direction of the open (OL)



- Repeat:
- Open device
- Meter both sides

COMMON OPEN ISSUES

- Loose terminal
- Device not landed properly
- Wire pulled out
- Broken wire
- Bad device

REMEMBER:

Meter tells you:

- Resistor = path to **EOL**
- OL = break in the circuit

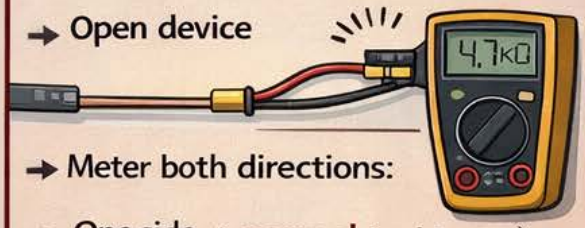
NAC TROUBLESHOOTING – SHORT CIRCUIT

STEP 1: USE YOUR METER

- Measure across circuit:
- → ~0Ω → **SHORT** confirmed

STEP 2: FIND MIDPOINT

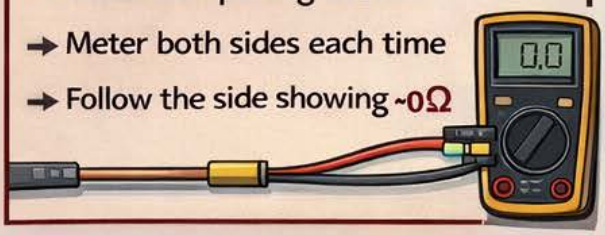
- Go halfway in circuit:
- Open device



- Meter both directions:
- One side → **normal** (resistance)
- One side → **0Ω** (short)

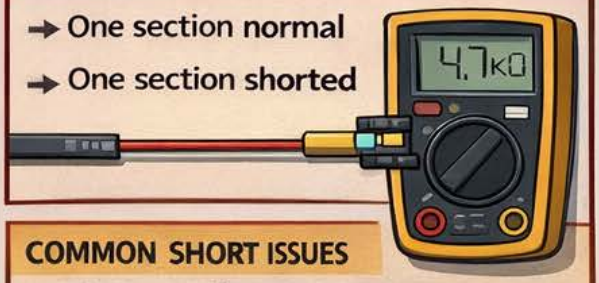
STEP 3: MOVE TOWARD THE SHORT

- Continue opening devices
- Meter both sides each time
- Follow the side showing ~0Ω



STEP 4: PINPOINT

- One section normal
- One section shorted



COMMON SHORT ISSUES

- Wires touching
- Crushed cable – Water
- Bad device

⚠ METER IS YOUB PRIMARY TOOL:

Split → Measure → Move