NO-HEAT TRUCK CARD · gas furnace

Follow the order. Stop at the first step that fails.

45 MIN, STILL STUCK?
CALL JOSH 720-404-6680

STOP: gas smell, CO alarm or burnt wires. Everyone out. 911 and Xcel gas 800-895-2999 from outside, then CALL JOSH.

Power ON = volts · Power OFF = ohms · Check every reading twice · Never jumper a safety

1 **Call for heat** 24V, W to C at the board	NO →	No 120V at the board: furnace switch, door switch, breaker (reset once). 120V but no 24V R to C: transformer or fuse. No W: thermostat or wire.
▼ YES		
2 **Board checks the safeties** Blink code. Limits and rollouts closed	NO →	24V across a switch = that one is open. Hot limit: filter, blower, registers. Rollout tripped: furnace OFF **CALL JOSH**
▼ YES		
3 **Inducer starts** 120V at the inducer motor	NO →	120V, not running: motor **CALL JOSH** No 120V: board or an open safety. Weak or failed motor? Check the vent for a partial block.
▼ YES		
4 **Pressure switch closes** 0V across it. WC on the manometer	NO →	WC low: blocked vent, intake, hose or trap. WC good but switch open: bad switch **CALL JOSH** Never jumper it.
▼ YES		
5 **Igniter glows orange** 120V at the igniter	NO →	120V, no glow: igniter (power off, wires off: OL = broken). No 120V: board. Don't touch the element.
▼ YES		
6 **Gas valve opens** 24V at MV and C. Meter on before the call	NO →	24V, no flame: valve or no gas **CALL JOSH** No 24V: the board isn't calling for gas. Never touch the regulator or gas pipe.
▼ YES		
7 **Flame lights and stays** µA on the sensor wire	NO →	Drops in 3 to 5 seconds: clean the rod, check the ground. Yellow, lazy or moving flame: OFF **CALL JOSH**
▼ YES		
8 **Blower starts** 120V at the blower after the delay	NO →	120V, no run: motor or capacitor. No 120V: board, relay or door switch. ECM motor: no ohm tests **CALL JOSH**
▼ YES		
9 **Call ends clean** Valve closes. Blower runs on, then stops	NO →	Burners cycle with the call on: filter, airflow, limit. Flame after the call ends: gas OFF, furnace out of service **CALL JOSH**

ALWAYS CALL JOSH FOR

Gas valve · board · any motor · pressure switch · limit or rollout swap · any CO · cracked heat exchanger · same fault twice · any repair not on the price sheet

PART FAILED? ASK WHY

Blocked flue kills inducers · dirty filter trips limits · water or a short kills boards · dirty rod or bad ground weakens flame

PROVE IT BEFORE YOU LEAVE

Two full cycles, the second from cold · re-take the bad reading · CO at the flue and in the room · write the cause in HCP · clean up, then vacuum