Diagnostic Checklist - Heating

Job name _____ **Date** _____

Tech(s) _____ **Reason for call** _____

INSIDE HOUSE						ACTION
Turn on unit:	□ heat OK	□ air-only	□ not working	□ never-stops		
Thermostat:	□ analog	□ digital	□ programmable	□ LOC on	□ broken	□ replaced thermostat type_____
Register fins:	□ good	□ poor	□ adjusted			
Air flow:	□ good	□ poor	□ adjusted			
Detectors:	□ smoke	□ carbon monoxide	□ other			□ installed detector_____

AIR HANDLER						
Stickers:	□ Green	□ Company	□ other			
Air ducts:	□ good	□ leaks	□ humidifier	□ humidifier bypass opened		
Cabinet:	□ clean	□ dusty	□ dirty	□ damaged	□ rusty	□ cleaned cabinet
Blower compartment:	□ clean	□ dusty	□ dirty	□ damaged	□ rusty	□ cleaned blower
Faulty electronics:	□ fuse	□ transformer	□ control board	□ blower relay	□ SSU	□ replaced _____
Filter:	□ clean	□ dirty	□ washable	□ none	size =	□ replaced filter
Evaporator coil:	□ none	□ clean	□ dusty	□ dirty		□ cleaned evap coil
Blower motor:	□ sealed	□ oiled	□ vibrates	□ not functioning	Amps =	□ replaced blower motor
Capacitor µF:	□ none		blower =		rating =	□ replaced capacitor

FURNACE						
Mfg. Ratings:	input =		original drill size =		altitude =	
Furnace type:	stg=	□ pulse	□ 65%	□ 80%	□ 90% □ 95% □ up □ dn □ horiz	
Combustible gas det:	□ none	□ burners	□ manifold	□ pipes	□ water heater	□ repared leaks
Heat exchanger:	□ visual	□ scope	□ camera	□ sulfer	□ cracks □ leaks	□ furnace condemned
Burners:	no. =	□ clean	□ dirty	□ gas cocks fully opened		□ cleaned ignition
Ignitor:	□ hot surface		□ spark	□ pilot	□ not functioning	□ replaced ignitor / pilot
Operation cycle:	□ normal	□ no fan	□ no ignition	□ no gas	□ no suction	□ replaced board
Inducer motor:	□ normal	□ none	w.c. =	Cap =	amps =	□ replaced inducer motor
Gas valve:	□ normal	□ smart	□ separate reg & sol		shutoff delay =	□ replaced gas valve
Pressure switch(s):	□ normal	□ none	□ hoses damaged		□ vibration test ok	□ replaced press. switch
Flame prove sensor:	□ normal	□ probe	□ thermocouple		□ cleaned probe	□ replaced flame sensor
Flame rollout sensor:	□ normal	□ none	□ wires damaged		□ faulty operation	□ replaced rollout sensor
Limit sensor:	□ normal	□ none	□ bad fan control		□ faulty operation	□ replaced limit sensor
Deration settings:	outlet w.c. =	/	Orifice drill size =			□ new green sticker
Initial calibration:	outlet w.c. =	/	Orifice drill size =			□ replaced burners
Final calibration:	outlet w.c. =	/	Orifice drill size =			□ replaced orifices
Temp rise:	rating =		return =	supply =	total =	□ failed temp rise
Flue:	□ 4"	□ 6"	□ 8"	□ PVC	□ clear drainage □ clearance ok	□ repaired flue
Combustion air:	□ single	□ hi / lo	□ louvered door	□ open	□ piped □ none	□ added venting
Combustibles:	□ none	□ combustibles present			□ poor clearances	
Turn on unit:	□ final test fire OK from thermostat					

INSIDE HOUSE			
Diagnostic review:	□ yes	□ no	
Membership review:	□ yes	□ no	□ already a member

Furnace:

_____ MFG: _____

_____ Model#_____

_____ Product#_____

_____ Serial # _____