Diagnostic Checklist A/C

Job name _____ **Date** _____

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

INSIDE HOUSE				ACTION
Turn on unit:	□ cool OK □ air-only	□ not working	□ never-stops	
Thermostat:	□ analog □ digital	□ programmable	□ LOC on	□ replaced thermostat
Register fins:	□ good □ poor	□ adjusted		
Air flow:	□ good □ poor	□ adjusted		
Smoke detector(s):	□ main □ bedrms	□ basement		□ installed smoke det.
CO detector:	□ yes □ no	age =		□ installed CO detect.
Inside temps:	dry bulb =	wet bulb =		

AIR HANDLER				ACTION
Initial temp split:	return =	supply =		
Stickers:	□ Green □ Company			
Metering device:	□ TXV □ Non-TXV	coil # =		
Air ducts:	□ good □ leaks	□ humidifier □ humidifier bypass closed		□ repaired ducts
Drain:	□ clear □ blocked	□ pump □ tested pump		□ _____
Blower compartment:	□ clean □ dusty	□ dirty □ damaged		□ cleaned blower
Bad electronics:	□ fuse □ transformer	□ control board □ blower relay		□ replaced _____
Filter:	□ clean □ dirty	□ washable size =		□ replaced filter
Evaporator coil:	□ clean □ dusty	□ dirty □ iced		□ cleaned evap coil
Blower motor:	□ sealed □ oil type	□ oiled motor □ motor speed ok		□ replaced motor
Capacitor μF:	blower =	rating =		□ replaced cap.
Amps:	blower =			

CONDENSER				ACTION
Outside temp:	dry bulb (ambient) =			
Initial readings:	low =	high =	line =	
Operation	□ warm air □ cool air □ no fan □ no compressor			□ cooled compressor
	□ poor air flow □ noise □ breaker tripped / fuse burned			□ replaced fuse
Fan:	□ smooth □ vibration □ damaged fan blades			□ replaced fan
Motor:	□ level □ bad wires □ damaged motor			□ replaced motor
Condenser coil:	□ clean □ dirty □ damaged fins □ blocked			□ washed coil
Contactor:	□ good volts = □ free & tightened □ burned			□ replaced contactor
Start kit:	□ yes □ no □ needed			□ installed start kit
Capacitor type:	□ singles □ dual run □ size(s) = _____			□ _____
	□ compressor μF = fan μF =			□ replaced cap.
Amps:	compressor = fan = rating &			□ bad compressor
Refrigerant:	type Freon = R-_____ □ charge ok □ overcharged			□ removed Freon
	□ oil leaks □ contaminated □ foaming □ undercharged			□ added Freon
Valves:	□ tightened □ no Schrader □ King valves open			□ replaced core
Final readings:	low =	high =	line =	

INSIDE HOUSE		
Final temp split:	return =	supply =
Diagnostic review:	□ yes	□ no
Membership:	□ yes	□ no

_____

_____ **Condenser:**

_____ MFG: _____

_____ Model#_____

_____ Serial # _____

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