

Replacement Parts

Applies to: **Serial No. Explanation; Model No. Explanation; Replacement Ignition Systems and Gas Valves by Serial No. Code; and Maxitrol System Components by Serial No. Suffix**

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WARNINGS

Selection of replacement control parts from this manual and all servicing of products must be done by your local Distributor or other qualified technician. Improper selection or servicing could result in severe personal injury, death, or property damage. The manufacturer will not accept responsibility or liability as a result of improper servicing of products.





In the United States, all installations of gas-fired products must be in accordance with the Standards of the NFPA (National Fire Protection Association), the National Fuel Gas Code, and all local authorities. In Canada, all installations of gas-fired products must be in accordance with the CAN/CSA Installation Code for Gas Burning Appliances and Equipment and all provincial and local authorities.





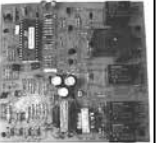
SAFETY WARNINGS AND GUIDELINES FOR A QUALIFIED SERVICE TECHNICIAN

- When selecting a replacement control, always have the complete Model No. and Serial No. of the heater (see pages 2–4 for instructions on decoding those numbers). If the model and serial number are not available, contact your local Representative. **DO NOT SELECT REPLACEMENT CONTROLS WITHOUT COMPLETE INFORMATION.**
- Before servicing a heater, always turn off the gas and the power supply. Because of the electrical safety features, never turn off the power supply without turning off the gas.
- The electrical operating valve is the primary safety shutoff. The gas supply line must be free of dirt or scale before connecting the valve.
- Leak test all gas connections including pilot connections. Test using a commercial leak detecting or a soap solution. **WARNING: DO NOT TEST WITH OPEN FLAME.** If a leak cannot be stopped by tightening, replace the part.
- In the event of pilot outage or improper ignition, wait at least five minutes before attempting to relight the heater.
- After any service is completed, always test for proper operation. Re-connect the electrical supply and turn on the gas. Verify against operating sequence information on the heater and in the heater installation manual. Safety check the installation and equipment. **CHECK THAT ALL SAFETY DEVICES ARE FUNCTIONING PROPERLY.**

Safety Pilot or Ignition System Originally Supplied, Identified by Serial No. Code (cont'd)—See Serial No. Decoding on pages 3–4 (N/A = not available; see other notes below).

Serial No. Code	Mfr ¹	Description	PN	Replacement PN ²
48	J/C	G60QRH-1 ignition controller, propane gas valve with regulator and lockout all in one body	N/A	³ N/A
49	H/W	L626B3	N/A	³ N/A
50	J/C	G65BCG-1 ignition controller and natural gas valve with regulator all in one body, 1/2"	67983-N/A	³ N/A
51	J/C	G65DCM-1 ignition controller & propane gas valve w/regulator & lockout, 1 body, 1/2"	68055-N/A	³ N/A
52	J/C	G65BBG-4 ignition controller and natural gas valve with regulator all in one body, 1/2"	79887-N/A	³ N/A
53	J/C	G65BKG-2 ignition controller and natural gas valve with regulator all in one body, 3/4"	79888-N/A	³ N/A
54	J/C	G65BCM-1 ignition controller & natural gas valve w/regulator & lockout, 1 body, 1/2"	79808-N/A	³ N/A
55	J/C	G65BBM-3 ignition controller & natural gas valve w/regulator & lockout, 1 body, 1/2"	84570-N/A	³ N/A
56	J/C	G65BKM-2 ignition controller & natural gas valve w/regulator & lockout, 1 body, 3/4"	79900-N/A	³ N/A
57	J/C	G66BMG-1 ignition controller and natural gas valve with regulator and lockout all in one body, 1/2" - Special for export	N/A	³ N/A
58	H/W	Solid state flame safeguard, RA890F (flame rectification)	86972	To replace with HSI: New wiring diagram PLUS Kit PN 146268 ; or kits with 200VA transformer, PN 146318 (115V); PN 146319 (208V, 240, 480, 575V)
		Solid state spark generator, Q624A1006 or Q624A1014	86974	
59	H/W	Solid state flame safeguard, RA890G (ultraviolet)	89409	
		Solid state spark generator, Q624A1006 or Q624A1014	86974	
60	H/W	Solid state flame safeguard, R7795B (flame rectification)	89407	
		Solid state spark generator, Q624A1006 or Q624A1014	86974	
61	H/W	Solid state flame safeguard, R7795A (ultraviolet)	89436	
		Solid state spark generator, Q624A1006 or Q624A1014	86974	

Code	Mfr	Description	PN	Replaced by
62	J/C	Ignition controller G67BG-2, natural gas or propane on outdoor units only	89314-N/A 	Kit PN 257472
63	J/C	Ignition controller G67NG-2, natural gas or propane on outdoor units only	89488-N/A 	Kit PN 257473
64	H/W	Safety pilot for Bell Telephone, L62GB	N/A	N/A
65	J/C	Ignition controller G770NGC-4 with lockout, natural gas or propane	97547-N/A 	Kit PN 257473 except for Model TR, use PN 216970
66	J/C	Ignition controller G67BG-5, natural gas or propane on outdoor units only	97782-N/A 	Kit PN 257472

Code	Mfr	Description	PN	Replaced by
67	RAM	Hot surface ignition module H4MC2	121543 	204376 (Code 82)
68	H/W	Piezo Ignitor Q635A1010	125836 	
69	H/W	Ignition controller GS4560D-1101	134780 	
70	H/W	Ignition Controller S4560B1055-ML11149	145714	
71	RAM	Direct Spark Integrated Control Board 3MC4-03	147102 	Kit PN 257531
72	RAM	Hot surface ignition module H4MC2	157953 	204376 (Code 82)

¹ F = Fenwall; G/C = General Controls; J/C = Johnson Controls; H/W = Honeywell; T = Thermodisc; W/R = White-Rodgers.

² Functional replacement may require field-furnished wiring.

³ This item is no longer available. Suggest you contact the control manufacturer for replacement or functional replacement.