

Please read and save these instructions. Read carefully before attempting to assemble, install, operate or maintain the product described. Protect yourself and others by observing all safety information. Failure to comply with instructions could result in personal injury and/or property damage! Retain instructions for future reference.

# Dayton® Propane Construction Heater

## Description

Dayton Models 3VE54D, 3VE55C, 3VE57D and 3VE58C heaters are 30,000 to 150,000 BTU/Hr construction heaters. These heaters use propane gas for combustion, and electricity to run the fan.

It is primarily intended for temporary heating of well ventilated buildings under construction, alteration or repair.



Figure 1

## Specifications

### GENERAL SPECIFICATIONS

Model	Type of Gas	Input Rating	Minimum Pressure	Manifold Pressure	Gas Consumption	Size L x W x H (Inches)
3VE54D	Propane	30,000 to 60,000 BTU/Hr	5 PSIG	11" W.C.	1.4 - 2.8 lbs/hr 0.63 - 1.27 kg/hr	19.3 x 8.3 x 15.2 (46 x 20.6 x 38.9 cm)
3VE55C	Propane	40,000 BTU/Hr	5 PSIG	11" W.C.	1.9 lbs/hr 0.86 kg/hr	19.3 x 8.3 x 15.2 (46 x 20.6 x 38.9 cm)
3VE57D	Propane	70,000 to 125,000 BTU/Hr	5 PSIG	11" W.C.	3.3 - 5.8 lbs/hr 1.5 - 2.09 kg/hr	25.6 x 12.7 x 15.6 (63.5 x 22.9 x 42.9 cm)
3VE58C	Propane	120,000 to 150,000 BTU/Hr	5 PSIG	11" W.C.	5.6 - 7.0 lbs/hr 2.54 - 3.18 lb/hr	25.6 x 12.7 x 15.6 (63.5 x 22.9 x 42.9 cm)

### ELECTRICAL SPECIFICATIONS

Model	Electrical Input	Amperage	Fan RPM	Ignition	Spark
3VE54D	120 V, 60 Hz	.65	3570	Continuous Spark	0.16" (4.1 mm)
3VE55C	120 V, 60 Hz	.68	3550	Piezo/Manual Spark	0.16" (4.1 mm)
3VE57D	120 V, 60 Hz	.70	3580	Continuous Spark	0.16" (4.1 mm)
3VE58C	120 V, 60 Hz	.70	3580	Continuous Spark	0.11" (2.8 mm)

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Temperature at Tank	Number of Tanks Needed		
	40,000-60,000 BTU/Hr	125,000 BTU/Hr	150,000 BTU/Hr
32°F (0°C)	1	2	2
20°F (-7°C)	1	2	2
10°F (-12°C)	1	3	3
0°F (-18°C)	1	3	3
-10°F (-23°C)	2	Use Larger Tank	Use Larger Tank
-20°F (-29°C)	2	Use Larger Tank	Use Larger Tank

Chart above shows number of 100 pound tanks needed to operate heaters at a given temperature. Less gas is vaporized at lower temperatures. You may need two or more 100 pound tanks, or one larger tank in colder weather. Your local propane gas dealer will help you select the proper supply system.

# Dayton® Propane Construction Heater

**NEVER LEAVE THE HEATER UNATTENDED WHILE BURNING!**

## Unpacking

1. Remove all packing items applied to heater for shipment. Keep plastic cover caps attached to inlet connector and hose/regulator assembly for storage.
2. Remove all items from carton.
3. Check all items for shipping damage. If heater is damaged, promptly inform dealer where you purchased the heater.

## Product Features

- Portable, stable and fully assembled.
- Wind resistant and rain protected.
- Continuous spark ignition or piezo spark ignition.
- 100% safety shut-off system.
- Adjustable input ratings.

## PROPANE INFORMATION

The Propane (LP) gas tank must also be equipped with the following:

- A collar to protect the gas valve.
- A shut-off valve terminating a Propane gas cylinder valve outlet as specified in the American National Standard for Compressed Gas Cylinder Valve Outlets and Inlet Connections.
- A safety relief valve having direct communications with the vapor space of the tank.
- An arrangement of vapor withdrawal.

**NOTE:** The Propane (LP) gas pressure regulator and hose assembly supplied with this heater must be used without alteration.

## General Safety Information

**IMPORTANT:** Be sure to read and understand all cautions and warnings, before operating this heater. Keep this instruction manual for future reference, and use it as a guide to safe and proper operation of the heater. Various precautions appear throughout this manual. Please review and pay close attention to them. Below is an explanation of the various levels of caution required while operating this heater.

**▲ DANGER** Indicates an imminently

*hazardous situation which, if not avoided, WILL result in death or serious injury.*

**▲ WARNING** Indicates a potentially hazardous situation which, if not avoided, COULD result in death or serious injury.

**▲ CAUTION** Indicates a potentially hazardous situation which, if not avoided, MAY result in minor or moderate injury.

**▲ WARNING** GENERAL HAZARD WARNING FAILURE TO

COMPLY WITH THE PRECAUTIONS AND INSTRUCTIONS PROVIDED WITH THIS HEATER, CAN RESULT IN DEATH, SERIOUS BODILY INJURY AND PROPERTY LOSS, OR DAMAGE FROM THE HAZARDS OF FIRE, EXPLOSION, BURN, ASPHYXIATION, CARBON MONOXIDE POISONING, AND/OR ELECTRIC SHOCK.

ONLY PERSONS WHO CAN UNDERSTAND AND FOLLOW THE INSTRUCTIONS SHOULD USE OR SERVICE THIS HEATER.

IF YOU NEED ASSISTANCE OR HEATER INFORMATION SUCH AS AN INSTRUCTION MANUAL, LABELS, ETCETERA, CONTACT THE MANUFACTURER.

**▲ WARNING** FIRE, BURN, INHALATION, AND EXPLOSION HAZARD, KEEP SOLID COMBUSTIBLES, SUCH AS BUILDING MATERIALS, PAPER OR CARDBOARD, A SAFE DISTANCE AWAY FROM THE HEATER AS RECOMMENDED BY THE INSTRUCTIONS.

NEVER USE THE HEATER IN SPACES WHICH DO OR MAY CONTAIN VOLATILE OR AIRBORNE COMBUSTIBLES, OR PRODUCTS SUCH AS GASOLINE, SOLVENTS, PAINT THINNERS, DUST PARTICLES OR UNKNOWN CHEMICALS.

**California Proposition 65 Warning:** Fuels used in gas or oil fired appliances and the products of combustion of such fuels, contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. This product contains chemicals, including lead and lead compounds, known to the state of California to cause cancer, birth defects or other reproductive harm. **Wash hands after handling.**

**▲ WARNING** Using this heater in a residential garage requires that the heater is positioned so that it is protected against any possible damage by a moving vehicle, etc. It must be positioned so that the base of the heater is no less than 18 in (450 mm) above the garage floor or 8 ft (2450 mm) in repair garages. The heater must be placed on a stable surface. Do not place it on a chair, ladder, etc. Raising the heater will reduce BUT NOT eliminate the possibility of lighting the vapor of any flammable liquids which may be improperly stored or accidentally spilled. If the smell of gasoline is present, DO NOT operate this heater until the area has been properly ventilated.

**▲ WARNING** Not for home or recreational vehicle use.

The heater is designed and approved for use as a construction heater under ANSI Z83.7 CSA 2.14. It is hard to anticipate every use which may be made of this heater. **CHECK WITH YOUR LOCAL FIRE SAFETY AUTHORITY IF YOU HAVE QUESTIONS ABOUT APPLICATIONS.**

Other standards govern the use of fuel gases and heat producing products in specific applications.

Your local authority can advise you about these.

**IMPORTANT:** READ THIS USER'S MANUAL CAREFULLY AND COMPLETELY BEFORE TRYING TO OPERATE OR SERVICE THIS HEATER. IMPROPER USE OF THIS HEATER CAN CAUSE SERIOUS INJURY OR DEATH FROM FIRE, EXPLOSION AND CARBON MONOXIDE POISONING.

This is a direct-fired forced air construction heater for either indoor construction or outdoor use. Its intended use is primarily the temporary heating of buildings or structures under construction, alteration or repair. All the products of combustion generated by the heater are forced through the heater and released into the area

# Models 3VE54D, 3VE55C, 3VE57D and 3VE58C

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being heated. This heater operates at approximately 98%+ combustion efficiency but still produces a small amount of carbon monoxide. Humans can tolerate small amounts of carbon monoxide for short periods. Carbon monoxide can build up in a heated space and failure to provide adequate ventilation could result in poisoning or death.

## IMPORTANT SAFETY INFORMATION

- Children should be carefully supervised, when they are in the area.
- Always maintain proper clearance from combustible materials. Minimum clearance from combustibles:  
Side - 24" (61cm); Top - 36" (91cm); Front - 72" (1.8M). Floor - combustible. Not for use on finished floors.
- Heater must be placed on level and stable surface.
- Never place anything including clothes or other flammable items on the heater.
- The appliance area shall be kept clear and free from combustible materials, gasoline and other flammable vapours and liquids.
- Do not modify or operate a heater which has been modified.
- Adequate clearance for accessibility and for combustion & ventilation air supply must be maintained at all times when the heater is operating.
- Service and repair should be done by a qualified service person. The heater should be inspected before each use and at least annually by a qualified person. More frequent cleaning may be required as necessary. Do not service while hot or operating.
- Never connect heater to an unregulated gas supply.
- The heater is shipped from the factory for LP(Propane) gas. This heater

is for use with propane gas only, do not convert heater to any other gas. Installation must conform to local codes or, in the absence of local codes, with the standard for the Storage and Handling of Liquefied Petroleum Gases ANSI/NFPA 58 and the Natural Gas and Propane Installation Code CSA B149.1

- The minimum and maximum inlet pressures to the regulator from the gas tank are 5 psi and bottle pressure, respectively. Use only the regulator & hose assembly provided with the heater. Inspect the regulator/hose assembly prior to each use of the heater. If there is excessive abrasion or wear, or hose is cut, replace with regulator/hose assembly listed on the parts list prior to using this heater.
- Gas supply connections should be checked using a 50/50 solution of liquid dish soap and never use a flame to check for gas leaks.
- The electrical connection & grounding must comply with National Electrical Code. ANSI/NFPA 70 or in Canada CSA C22.1, Canadian Electrical Code, Part 1. Use only a properly grounded three (3) prong receptacle.
- Do not restrict inlet or outlet by any means. The flow of combustion and ventilation air is not to be obstructed.
- This heater should not be directed toward any propane-gas container within 20 ft (6M). The heater must be located at least 6 ft. (1.83 m) in the U.S.; or (ii) 10 ft. (3 m) in Canada, from any propane gas container.
- The propane cylinder supply system must be arranged to provide for vapour withdrawal from the operating cylinder.
- This heater is not to be used with external thermostats, timers or other devices that control or alter electrical supply to the heater.




**▲ WARNING** *Motor and fan must be running before lighting, during operation and at shutdown, in order to prevent a flame-out condition which could result in personal injury or property damage.*

## Operation

### REFILLING THE PROPANE GAS TANK

ALL NEW CYLINDERS MUST BE PURGED BEFORE THE FIRST FILLING.

**▲ WARNING** *Purging and filling of LP tanks must be performed by personnel who have been thoroughly trained in accepted LP gas industry procedures. Failure to follow these instructions may result in explosion, fire, severe personal injury or death.*

- Turn heater gas valve knob and gas tank valve to "OFF" (○) position.
- Propane tank valve equipped with old style fitting has LEFT-HANDED THREADS. Turn fitting CLOCKWISE  to loosen. Protect this fitting when disconnected from tank.
- Have tank filled by your local Propane gas supplier.
- Some Propane tanks have a bleed-off valve. This valve should be inspected for leaks after each filling of the tank. Turn the valve CLOCKWISE  to close.
- Fasten full Propane tank and connect proper fitting to tank valve by turning COUNTERCLOCKWISE .
- With heater gas valve knob still in "OFF" (○) position, turn ON tank valve and check for leaks with soap solution.

# Dayton® Propane Construction Heater

**NEVER LEAVE THE HEATER UNATTENDED WHILE BURNING!**

## Operation (Continued)

**⚠ CAUTION** *Propane is safe to use when properly handled. Careless handling of the Propane gas tank could result in a fire and/or an explosion. Therefore:*

- Always keep tank/cylinder securely fastened and in an upright position.
- Avoid tipping the tank on its side when connected to a regulator, since this may cause damage to the diaphragm in the regulator.
- Handle valves with care.
- Never connect an unregulated propane tank to a construction heater.
- Do not subject propane tank to excessive heat.
- Tightly close the gas shutoff valve on the propane tank after each use.
- All fittings must be protected when disconnected from the LP tank.
- Never store a propane gas tank inside a building or in the vicinity of any gas burning appliance.

**⚠ CAUTION** *The disconnected tank must never be stored in a building, garage or any other enclosed area.*




## LEAK CHECKING

- Check all connections with a 50/50 soap and water solution to be sure they are tight and leak proof.
- The installation of your heater must meet all local codes and/or gas utility requirements, or in the absence of local codes, with the National Fuel Code ANSI Z223.1.
- The minimum clearances to combustible construction materials shown on Page 3 must be maintained at all times.

## LIGHTING INSTRUCTIONS



**NOTE:** This heater uses a continuous spark ignition system. This unit will continue to make a clicking/ticking sound at all times before ignition, after ignition and during operation, regardless of valve knob positioning.

1. Connect power cord to a properly grounded three (3) prong 120V, 60 Hz, extension cord.  
Extension Cord Wire Requirements:  
6 to 10 feet (1.8 to 3 meters) long, use 18 AWG conductor.  
11 to 100 feet (3.4 to 30.5 meters) long, use 16 AWG conductor.  
101 to 200 feet (30.8 to 61 meters) long, use 14 AWG conductor.

2. Turn gas valve **CLOCKWISE**  to "OFF" (○) position.
3. Wait five (5) minutes for any gas to clear. Smell for gas; if you do not smell gas, go to Step 4.
4. Push in and turn gas control knob **COUNTERCLOCKWISE**  to "LOW/IGN" position. This will light the burner. If needed, keep pressing control knob until the burner lights and keep pressing and turning from "OFF" to "LOW/IGN" on Piezo electric spark models ("HIGH/IGN" on Model 3VE55C).
5. Keep the valve knob depressed for at least 30 seconds after lighting the burner. After 30 seconds, release valve knob.
6. If burner does not stay lit, repeat lighting procedure.
7. When burner stays lit, turn gas valve knob **COUNTERCLOCKWISE**  to desired setting (All models except 3VE55C).

## SHUTDOWN INSTRUCTIONS

To shut off heater:

1. Turn gas valve knob **CLOCKWISE**  to "OFF" (○) position.
2. Turn gas supply OFF by turning Propane tank valve **CLOCKWISE**  to close.
3. Disconnect the power cord.

## TEST FIRING THE HEATER

Test fire your construction heater following the lighting instructions applicable to the gas control system employed.

Leak test all gas connections with 50/50 soap and water solution prior to start-up. Soap bubbles indicate a gas leak. **DO NOT** use a match or flame to test for gas leaks.

**NOTE:** Heater surface temperature must be cold before initiating service, cleaning or storage.

## STORAGE

Never store a propane gas tank inside of a building or in the vicinity of any gas or oil burning appliance. When the propane tank is not disconnected from the construction heater, the gas tank and heater must be stored outdoors in a well ventilated area, out of the reach of children. If for any reason the heater is to be stored indoors, the tank must first be disconnected and removed from the heater base assembly and stored outdoors in a well ventilated area, out of the reach of children, in accordance with the Standard for the Storage and Handling of Liquefied Gases ANSI/NFPA 58, the latest edition. The plastic tank valve plug supplied with your tank must be tightly installed when the tank is disconnected from the heater.

**NOTE:** Installation and repair should be done by a qualified service person.

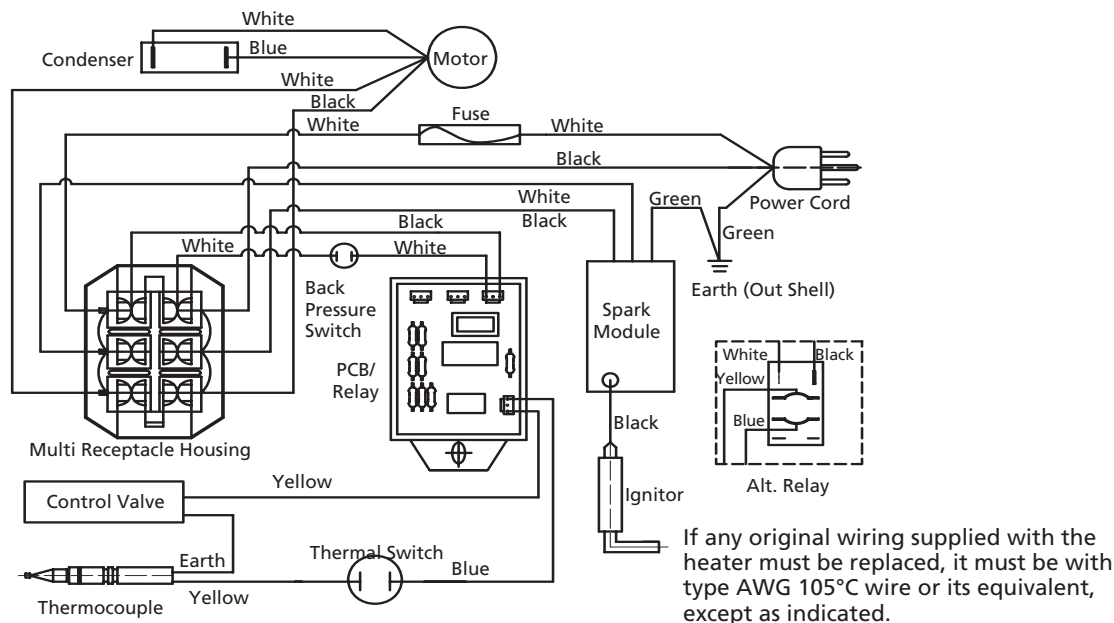
**For Technical Support or Troubleshooting, Call: 1-800-Grainger**



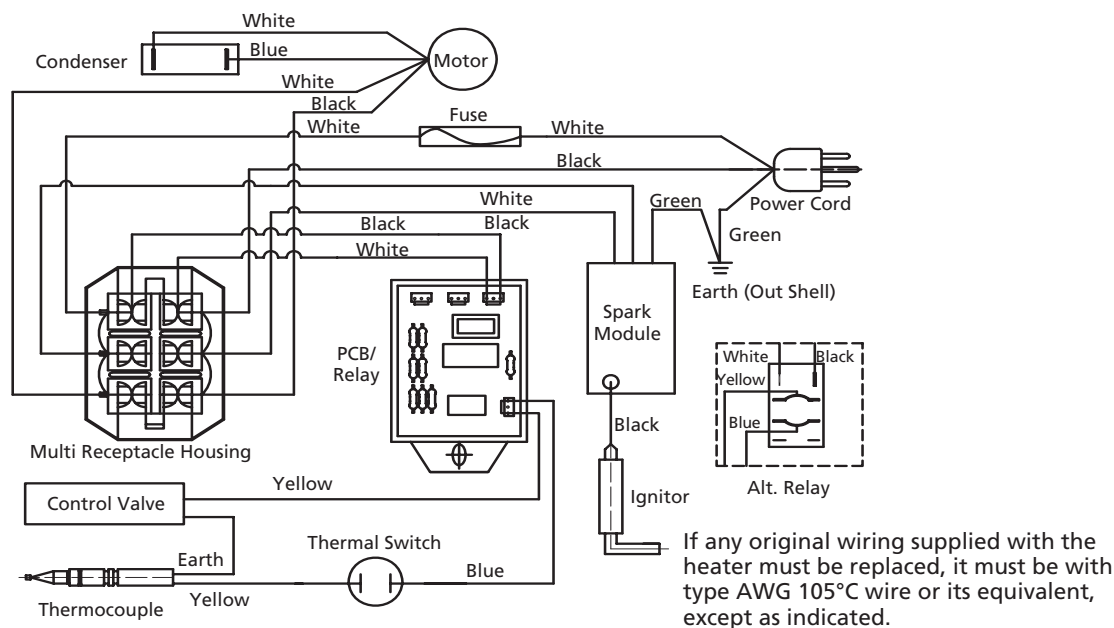
# Models 3VE54D, 3VE55C, 3VE57D and 3VE58C

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## Wiring Diagrams



**Figure 2 – Continuous Spark Models 3VE57D and 3VE58C**

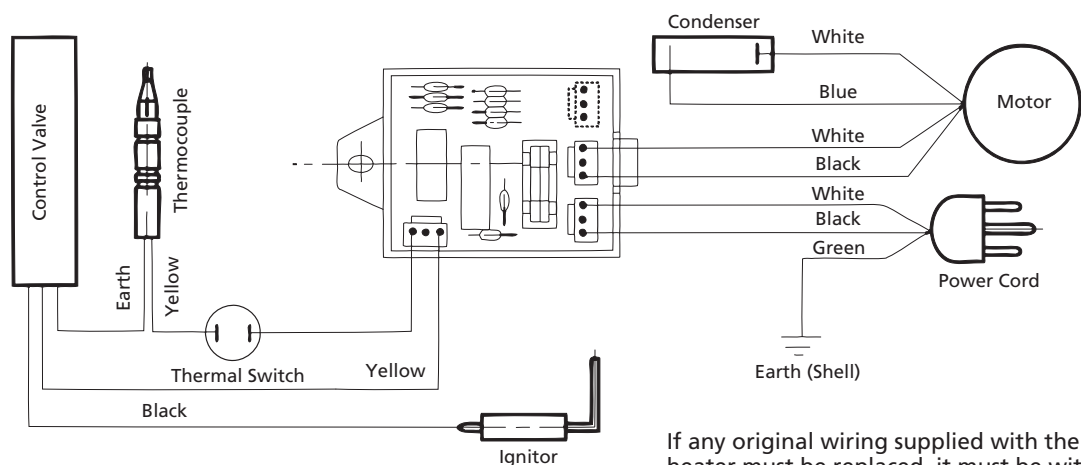


**Figure 3 – Continuous Spark Model 3VE54D**

# Dayton® Propane Construction Heater

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## Wiring Diagrams (Continued)



If any original wiring supplied with the heater must be replaced, it must be with type AWG 105°C wire or its equivalent, except as indicated.

**Figure 4 – Piezo/Manual Spark Models 3VE55C**

## Notes

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# Models 3VE54D, 3VE55C, 3VE57D and 3VE58C

## For Replacement Parts, call 1-800-Grainger

**24 hours a day – 365 days a year**

Please provide following information:

- Model number
- Serial number (if any)
- Part description and number as shown in parts list

**NEVER LEAVE THE HEATER  
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**▲ WARNING** Use only original replacement parts. This Heater must use design-specific parts. Do not substitute or use generic parts. Improper replacement parts could cause serious or fatal injuries.

### Repair Parts List for Propane Construction Heater

ITEM No.	DESCRIPTION	QTY	PART NUMBER			
			3VE54D	3VE55C	3VE57D	3VE58C
1	INNER SHELL ASS'Y	1	2304818	2304818	2304929	2304929
2	NOZZLE	1	2325121	2304829	2325123	2304944
3	FLAME HOLDER CAP	1	2325120	2304819	*2325122	*2304931
4	THERMAL SWITCH BRACKET	1	2304826	2304826	2315515	2304826
5	THERMAL SWITCH	1	2206048	2201373	2201373	2201563
6	NOZZLE NUT	1	2304578	2304578	2304945	2304945
7	SPARK PLUG ASSY	1	2206033	2201375	2206034	2201393
8	THERMOCOUPLE ASSY (1130/1474-425L)	1	2304885	2304885	2304885	2304885
9	GAS TUBING ASS'Y	1	2304830	2304830	2325137	2304947
10	OUTER SHELL - ORANGE	1	2305403	2305403	2305971	2305971
11	CORD WRAP (some models only)	2	N/A	N/A	2101423	2101423
12	HANDLE ASSY - BLACK	1	2101447	2101447	2101447	2101447
12.1	SCREW - HANDLE FRONT	1	2001355	2001355	2001355	2001355
12.2	SCREW - HANDLE FRONT	1	2001077	2001077	2001077	2001077
12.3	NUT - HANDLE REAR	1	2000384	2000384	2000384	2000384
13	MOTOR SUPPORT	1	2304823	2304823	2304823	2304823
13.1	BOLT-MOTOR MOUNTING	2	2001332	2001332	2001332	2001332
13.2	SLEEVE	1	2304949	2304949	2304949	2304949
14	MOTOR ASS'Y	1	2304547	2305909	2304548	2304548
14.1	MOTOR - FAN	1	2304821	2304821	2304936	2304936
15	GUARD FAN - BLACK	1	2304828	2304828	2304939	2304939
16	MOTOR BRACKET	1	2304937	2304824	2304938	2304938
17	VALVE - GAS	1	GS22A-FA60	GS22-FA40	GS22A-FA125	GS22A-FA150
18	PRESSURE SWITCH	1	N/A	N/A	2305976	2305976
19	VALVE BRACKET	1	2304624	2304624	2304624	2304624
20	BASE ASSY - BLACK	1	2304923	2304923	2304924	2304924
21	POWER CORD ASS'Y	1	2101670	2101368	2101673	2101673
22	GAS CONNECTOR INLET	1	2304831	2304831	2304831	2304831
23	CAPACITOR	1	2201372	2201372	2301390	2201396
24	BASE LOWER -BLACK	1	2304925	2304925	2304926	2304926
25	KNOB GAS VALVE - BLACK	1	2101451	2101451	2101451	2101451
26	HEIGHT CONTROLLER - BLACK	1	2304927	2304927	2304928	2304928
27	HEIGHT CONTROL SCREW - BLACK	1	2304510	2304510	2304510	2304510
28	LEAD WIRE ASSY	1	2201371	2201371	2201371	2201371
29	SPARK MODULE	1	2201391	N/A	2201391	2201391
30	PCB ASSEMBLY	1	2201369	2201369	2201369	2201369
31	REG & HOSE ASSY - 10FT (3M)	1	KR-106-01-10-31		GR-109-10-38	
	REG & HOSE ASSY - 15FT (4.6)	1	KR-106-01-15-31		GR-109-15-38	

\*Not shown in exploded view

For Technical Support or Troubleshooting, Call: 1-800-Grainger

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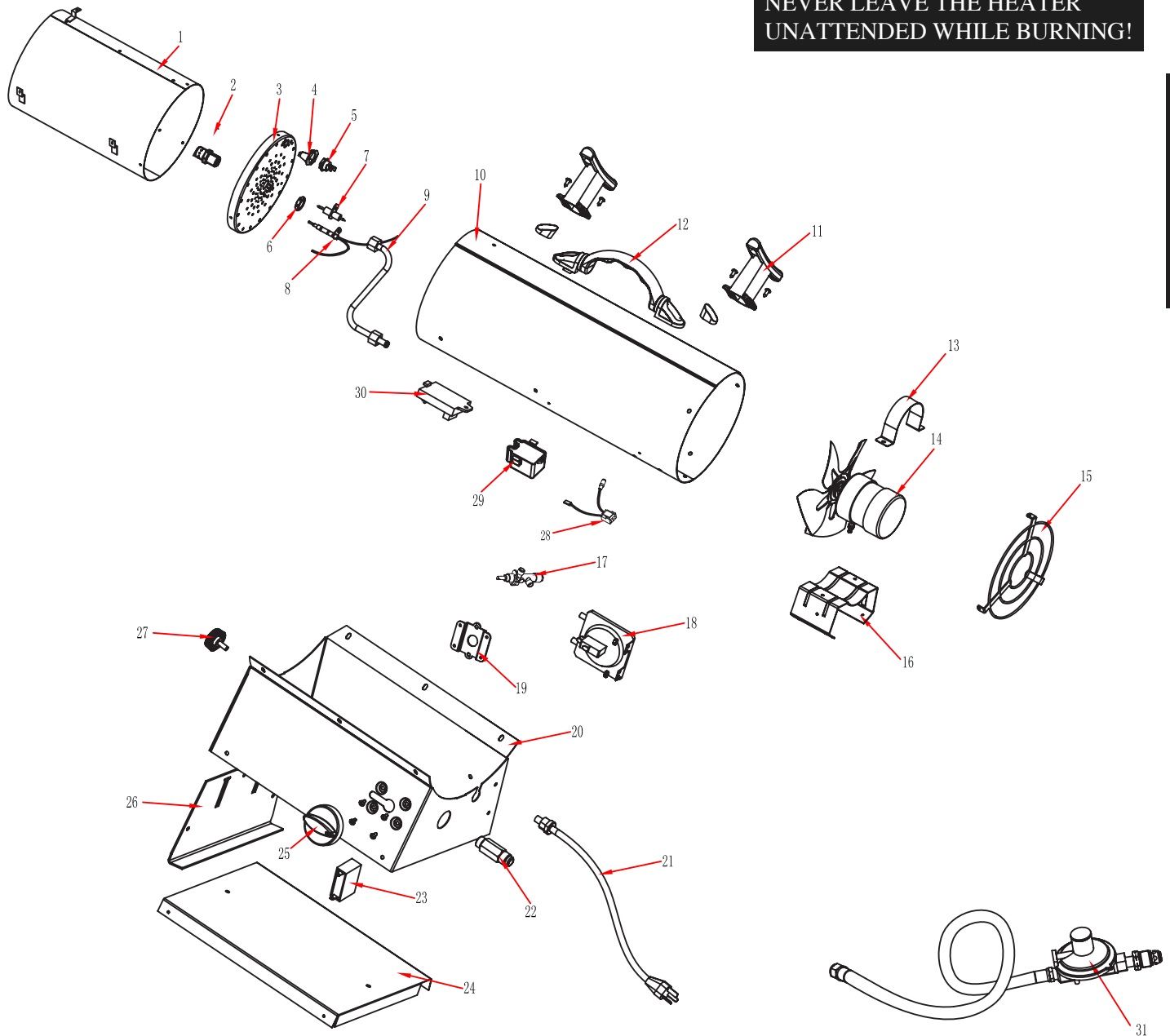
## For Replacement Parts, call 1-800-Grainger

**24 hours a day – 365 days a year**

Please provide following information:

- Model number
- Serial number (if any)
- Part description and number as shown in parts list

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**Figure 5 - Repair Parts Illustration for Propane Construction Heater**

**For Technical Support or Troubleshooting, Call: 1-800-Grainger**

# Dayton® Propane Construction Heater

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## Troubleshooting Chart

Symptom	Possible Cause(s)	Corrective Action
1. Control dial is off and the unit is ticking/clicking.	1. This is normal. This heater uses a continuous spark ignition system. This unit will continue to make a clicking/ticking sound at all times before ignition, after ignition and during operation, regardless of valve knob positioning.	1. No corrective action is needed.
2. The unit is clicking/ticking while the heater is lit.	1. This is normal. This heater uses a continuous spark ignition system. This unit will continue to make a clicking/ticking sound at all times before ignition, after ignition and during operation, regardless of valve knob positioning.	1. No corrective action is needed.
3. Fan does not turn when electrical connection is made	1. No electric power to heater 2. Fan blade contacts inside of heater housing 3. Fan blade(s) bent 4. Fan motor defective	1. Check current to electric outlet. If voltage is correct, check power cord and extension cord for cuts and breaks 2. Be sure that housing is not damaged. Make sure there are no obstructions to the fan 3. Straighten blade(s) to match others 4. Replace motor
4. Heater will not fire	1. No spark at igniter 2. Improper spark gap 3. Bad electrode	1. Check igniter wire. Reattach or tighten if loose. Check spark module. Replace if necessary. Check all electrical components 2. Set gap to .016" (.011" model 3VE58C) 3. Replace spark plug
5. Heater quits while running	1. Internal temperature too high causing limit switch to shut down operation 2. Damaged control valve 3. Dust or debris build-up inside of heater	1. If the heaters output is restricted, internal temperature becomes too high. Move heater away from any obstructions 2. Replace control valve 3. Clean inside of heater

**Always be sure to follow proper maintenance procedures, by cleaning the heater once per month during regular usage, and check spark gap at least once per season.**

### LIMITED WARRANTY

**DAYTON ONE-YEAR LIMITED WARRANTY.** DAYTON® PROPANE CONSTRUCTION HEATER, MODELS COVERED IN THIS MANUAL, ARE WARRANTED BY DAYTON ELECTRIC MFG. CO. (DAYTON) TO THE ORIGINAL USER AGAINST DEFECTS IN WORKMANSHIP OR MATERIALS UNDER NORMAL USE FOR ONE YEAR AFTER DATE OF PURCHASE. ANY PART WHICH IS DETERMINED TO BE DEFECTIVE IN MATERIAL OR WORKMANSHIP AND RETURNED TO AN AUTHORIZED SERVICE LOCATION, AS DAYTON DESIGNATES, SHIPPING COSTS PREPAID, WILL BE, AS THE EXCLUSIVE REMEDY, REPAIRED OR REPLACED AT DAYTON'S OPTION. FOR LIMITED WARRANTY CLAIM PROCEDURES, SEE "PROMPT DISPOSITION" BELOW. THIS LIMITED WARRANTY GIVES PURCHASERS SPECIFIC LEGAL RIGHTS WHICH VARY FROM JURISDICTION TO JURISDICTION.

**LIMITATION OF LIABILITY.** TO THE EXTENT ALLOWABLE UNDER APPLICABLE LAW, DAYTON'S LIABILITY FOR CONSEQUENTIAL AND INCIDENTAL DAMAGES IS EXPRESSLY DISCLAIMED. DAYTON'S LIABILITY IN ALL EVENTS IS LIMITED TO AND SHALL NOT EXCEED THE PURCHASE PRICE PAID.

**WARRANTY DISCLAIMER.** A DILIGENT EFFORT HAS BEEN MADE TO PROVIDE PRODUCT INFORMATION AND ILLUSTRATE THE PRODUCTS IN THIS LITERATURE ACCURATELY; HOWEVER, SUCH INFORMATION AND ILLUSTRATIONS ARE FOR THE SOLE PURPOSE OF IDENTIFICATION, AND DO NOT EXPRESS OR IMPLY A WARRANTY THAT THE PRODUCTS ARE MERCHANTABLE, OR FIT FOR A PARTICULAR PURPOSE, OR THAT THE PRODUCTS WILL NECESSARILY CONFORM TO THE ILLUSTRATIONS OR DESCRIPTIONS. EXCEPT AS PROVIDED BELOW, NO WARRANTY OR AFFIRMATION OF FACT, EXPRESSED OR IMPLIED, OTHER THAN AS STATED IN THE "LIMITED WARRANTY" ABOVE IS MADE OR AUTHORIZED BY DAYTON.

**Technical Advice and Recommendations, Disclaimer.** Notwithstanding any past practice or dealings or trade custom, sales shall not include the furnishing of technical advice or assistance or system design. Dayton assumes no obligations or liability on account of any unauthorized recommendations, opinions or advice as to the choice, installation or use of products.

**Product Suitability.** Many jurisdictions have codes and regulations governing sales, construction, installation, and/or use of products for certain purposes, which may vary from those in neighboring areas. While attempts are made to assure that Dayton products comply with such codes, Dayton cannot guarantee compliance, and cannot be responsible for how the product is installed or used. Before purchase and use of a product, review the product applications, and all applicable national and local codes and regulations, and be sure that the product, installation, and use will comply with them.

Certain aspects of disclaimers are not applicable to consumer products; e.g., (a) some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you; (b) also, some jurisdictions do not allow a limitation on how long an implied warranty lasts, consequently the above limitation may not apply to you; and (c) by law, during the period of this Limited Warranty, any implied warranties of implied merchantability or fitness for a particular purpose applicable to consumer products purchased by consumers, may not be excluded or otherwise disclaimed.

**Prompt Disposition.** A good faith effort will be made for prompt correction or other adjustment with respect to any product which proves to be defective within limited warranty. For any product believed to be defective within limited warranty, first write or call dealer from whom the product was purchased. Dealer will give additional directions. If unable to resolve satisfactorily, write to Dayton at address below, giving dealer's name, address, date, and number of dealer's invoice, and describing the nature of the defect. Title and risk of loss pass to buyer on delivery to common carrier. If product was damaged in transit to you, file claim with carrier.

**Manufactured For Dayton Electric Mfg. Co., 100 Grainger Parkway,  
Lake Forest, Illinois 60045 U.S.A. by GHP Group, Inc., Niles, IL**

