

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 Model 3VG80 heater is a variable 65,000, 85,000, and 100,000 Btu/Hr construction heater. This heater uses propane gas for combustion. It is primarily intended for temporary heating of well-ventilated buildings under construction, alteration, or repair. This heater should only be used indoors but never in occupied dwellings. Products of combustion are vented into the area being heated.

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 bought heater.



Figure 1 - Model 3VG80



▲ 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 hazards of fire, explosion, burn, asphyxiation, carbon monoxide poisoning, and/or electrical shock. Only persons who can understand and follow instructions should use or service this heater.

If you need assistance or heater information such as an instruction manual, labels, etc. 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 thinner, dust particles, or unknown chemicals.

▲ WARNING Not for home or recreational vehicle use.

The heater is designed for use as a construction heater under ANSI Z83.7/CGA 2.14. Other standards govern the use of fuel gases and heat producing products for specific uses. Your local authorities can advise you about these. The primary purpose of construction heaters is to provide temporary heating of buildings under construction, alteration or repair, and to provide temporary emergency heat. Properly used, the heater provides safe economical heating. Products of combustion are vented into the area being heated.

We cannot foresee every use which may be made of our heaters. Check with your local fire safety authority if you have questions about heater use.

Dayton® Propane Construction Heater

General Safety Information

Make certain you read and understand all warnings. Keep these instructions for reference. They are your guide to safe and proper operation of this heater.

Safety information appears throughout these instructions. Pay close attention to them. Below are definitions for the safety information listed throughout this manual.

▲ DANGER Under this heading, installation, operating and maintenance procedures or practices will be found that, if not carefully followed, WILL result in IMMEDIATE serious personal injury or death.

▲ WARNING Under this heading, installation, operating, and maintenance procedures or practices will be found that, if not carefully followed, COULD result in severe personal injury or death.

▲ CAUTION Under this heading, installation, operating, and maintenance procedures or practices will be found that, if not carefully followed, MAY result in minor personal injury, product or property damage.

IMPORTANT: Not every possible circumstance that might involve a hazard can be anticipated. The warnings in this manual and on tags or decals affixed to the unit are therefore not all-inclusive. If a procedure, work method, or operating technique not specifically recommended by Dayton is used, you must make sure it is safe for you and others. You should also ensure that equipment will not be damaged or made unsafe by the operating or maintenance method you choose.

▲ WARNING *This product contains and/or generates chemicals known to the State of California to cause cancer or birth defects, or other reproductive harm.*

▲ DANGER *Carbon monoxide poisoning may lead to death! Some people are more affected by carbon monoxide than others. Early signs of carbon monoxide poisoning resemble the flu, with headaches, dizziness, and/or nausea. If you have these signs, the heater may not be operating properly, or the areas may not be sufficiently ventilated. Get fresh air at once! Have heater serviced.*
Propane Gas: *Propane gas is odorless. An odor-making agent is added to propane gas. The odor helps you detect a propane gas leak. However, the odor added to propane gas can fade. Propane gas may be present even though no odor exists.*

▲ WARNING • *Install and use heater with care. Follow all local ordinances and codes. In the absence of local ordinances and codes, refer to the Standard for Storage and Handling of Liquefied Petroleum Gas, ANSI/NFPA 58 and the Natural Gas Installation Code, CAN/CGA B149.2. This instructs on the safe storage and handling of propane gases.*

- *Use only the electrical voltage and frequency specified on model plate. The electrical connections and grounding of the heater shall follow the National Electric Code, ANSI/NFPA 70 or the Canadian Electrical Code, Part 1.*
- *Electrical grounding instructions — This appliance is equipped with a three-prong (grounding) plug for your protection against shock hazard and should be plugged directly into a properly grounded three-prong receptacle or extension cord.*

- *This product has been approved for use in the Commonwealth of Massachusetts.*
- *Use only the hose and factory preset regulator provided with the heater.*
- *Use only propane gas set up for vapor withdrawal.*
- *Provide adequate ventilation. Before using heater, provide at least a three-square-foot (2,7 m²) opening of fresh, outside air for each 100,000 Btu/Hr of rating.*
- *For indoor use only. Do not use heater outdoors.*
- *Do not use heater in occupied dwellings or in living or sleeping quarters.*
- *Do not use heater in basement or below ground level. Propane gas is heavier than air. If a leak occurs, propane gas will sink to the lowest possible level and may accumulate to explosive concentrations.*
- *Keep appliance area clear and free from combustible materials, gasoline, paint thinner, and other flammable vapors and liquids. Dust is combustible. Do not use heater in areas with high dust content.*
- *Minimum heater clearances from combustible materials:*
 - Outlet: 8 Ft. (2,40 m)*
 - Sides: 2 Ft. (60 cm)*
 - Top: 6 Ft. (1,80 m)*
 - Rear: 2 Ft. (60 cm)*
- *Keep heater at least six feet (1.80 m) from propane tank(s). Do not point heater at propane tank(s) within 20 feet (6 m).*
- *Keep propane tank(s) below 100° F (38° C).*
- *Check heater for damage before each use. Do not use a damaged heater.*
- *Check hose before each use of heater. If highly worn or cut, replace with hose specified by manufacturer.*

Model 3VG80

General Safety Information (Continued)

- *Locate heater on stable and level surface if heater is hot or operating.*
- *Never block air inlet (rear) or air outlet (front) of heater.*
- *Keep heater away from strong drafts, wind, water spray, rain, or dripping water.*
- *Never operate heater while unattended.*
- *Keep children and animals away from heater.*
- *Never move, handle, or service a hot or operating heater. Severe burns may result. You must wait 15 minutes after turning heater off.*
- *To prevent injury, wear gloves when handling heater.*
- *Never attach duct work to heater.*
- *Do not alter heater. Keep heater in its original state.*
- *Do not use heater if altered.*
- *Turn off propane supply to heater and unplug when not in use.*
- *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.*

Specifications

| | | | |
|--|---|---|---|
| Output Rating | 65,000 Btu/Hr | 85,000 Btu/Hr | 100,000 Btu/Hr |
| Fuel | Propane Vapor Only | Propane Vapor Only | Propane Vapor Only |
| Fuel Consumption | 3.0 Pounds/Hr (0.7 Gallons/Hr) | 3.9 Pounds/Hr (0.93 Gallons/Hr) | 4.6 Pounds/Hr (1.1 Gallons/Hr) |
| Hot Air Output (CFM Approx.) | 475 | 475 | 475 |
| Regulator Outlet Pressure | Factory Preset | Factory Preset | Factory Preset |
| Manifold Pressure | 10.0" WC | 10.0" WC | 10.0" WC |
| Max. Supply Pressure to Reg. | Tank Pressure | Tank Pressure | Tank Pressure |
| Min. Supply Pressure to Reg. (for purposes of input adjustment) | 10 psi | 10 psi | 10 psi |
| Electric Input | 120 V 60 Hz | 120 V 60 Hz | 120 V 60 Hz |
| Amps | 2.9 | 2.9 | 2.9 |
| Ignition | Continuous Electronic | Continuous Electronic | Continuous Electronic |
| Ignitor Gap | Minimum: 0.13" Maximum: 0.15" | Minimum: 0.13" Maximum: 0.15" | Minimum: 0.13" Maximum: 0.15" |
| Motor RPM | 3,200, 1/10 HP | 3,200, 1/10 HP | 3,200, 1/10 HP |
| Heater Weight | 18 Lb | 18 Lb | 18 Lb |
| Shipping Weight | 24 Lb | 24 Lb | 24 Lb |
| Dimensions | 26 ¹ / ₄ " L x 9" H x 15 ¹ / ₂ " W (Heater) 28 ¹ / ₂ " L x 12 ¹ / ₂ " H x 17" W (Carton) | 26 ¹ / ₄ " L x 9" H x 15 ¹ / ₂ " W (Heater) 28 ¹ / ₂ " L x 12 ¹ / ₂ " H x 17" W (Carton) | 26 ¹ / ₄ " L x 9" H x 15 ¹ / ₂ " W (Heater) 28 ¹ / ₂ " L x 12 ¹ / ₂ " H x 17" W (Carton) |

Dayton® Propane Construction Heater

Product Identification

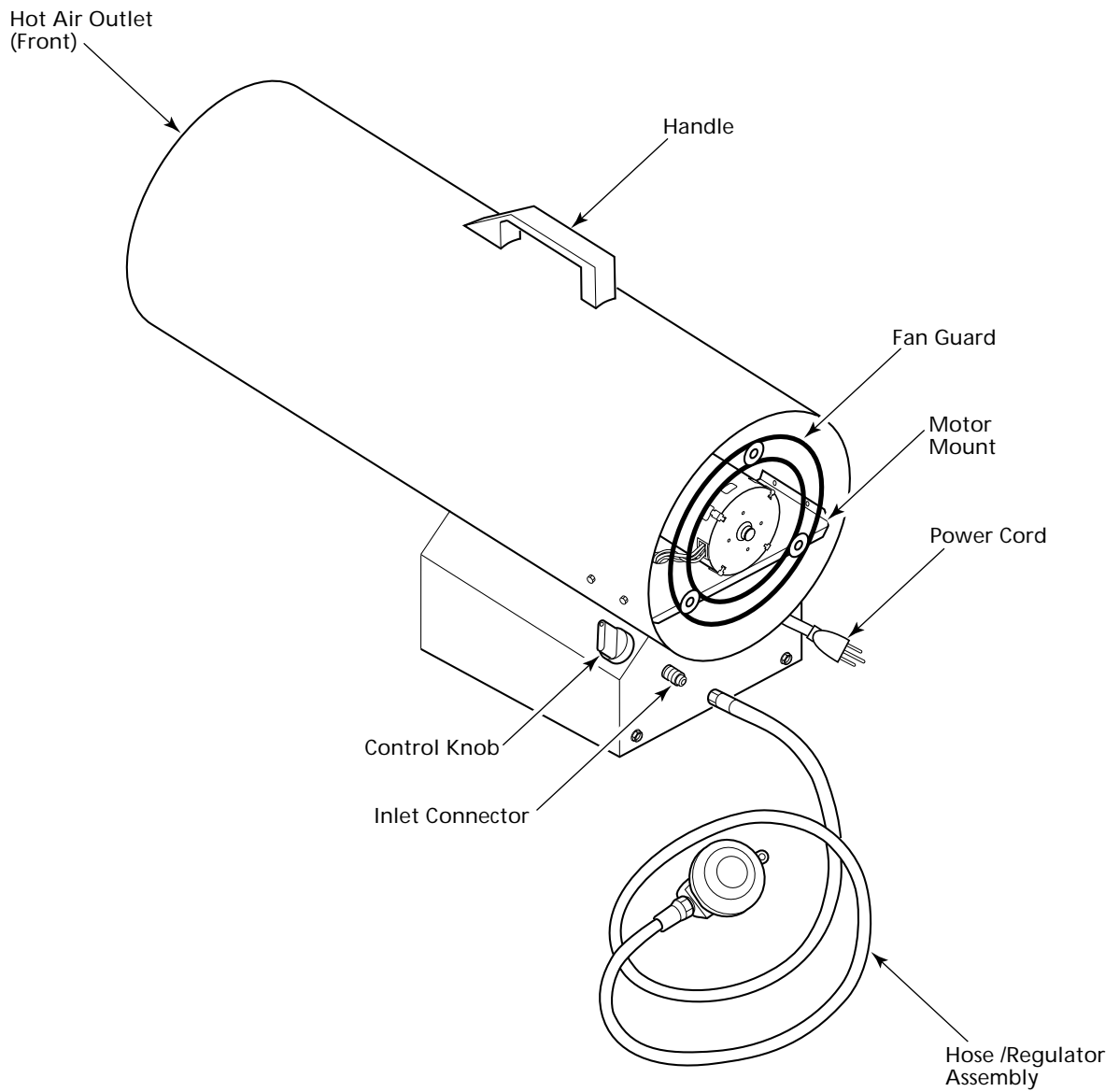


Figure 2 - Product Identification

Model 3VG80

Theory of Operation

THE FUEL SYSTEM

The hose/regulator assembly attaches to the propane gas supply. The propane gas moves through the automatic control valve and out the nozzle.

THE AIR SYSTEM

The motor turns the fan. The fan pushes air into and around the combustion chamber. This air is heated and provides a stream of clean, hot air.

THE IGNITION SYSTEM

The spark transformer ignitor lights the main burner.

THE AUTOMATIC CONTROL SYSTEM

This system causes the heater to shut down if the flame goes out.

Propane Supply

Propane gas and propane tank(s) must be provided by the customer.

Use this heater only with a propane vapor withdrawal supply system. See Chapter 5 of the *Standard for Storage and Handling of Liquefied Petroleum Gas, ANSI/NFPA 58*. Your local library or fire department will have this booklet.

The amount of propane gas ready for use from propane tanks varies. Two factors decide this amount:

1. The amount of propane gas in tank(s)
2. The temperature of tank(s)

The chart below shows the number of 100 pound tanks needed to run this heater.

| Temperature (°F) at Tank | Number of tanks, 100,000 Btu/Hr |
|--------------------------|---------------------------------|
| 32° | 2 |
| 20° | 3 |
| 10° | 3 |
| 0° | 3 |
| -10° | Use Larger Tank |
| -20° | Use Larger Tank |

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. The minimum surrounding air temperature rating for each heater is -20°F (-29°C).

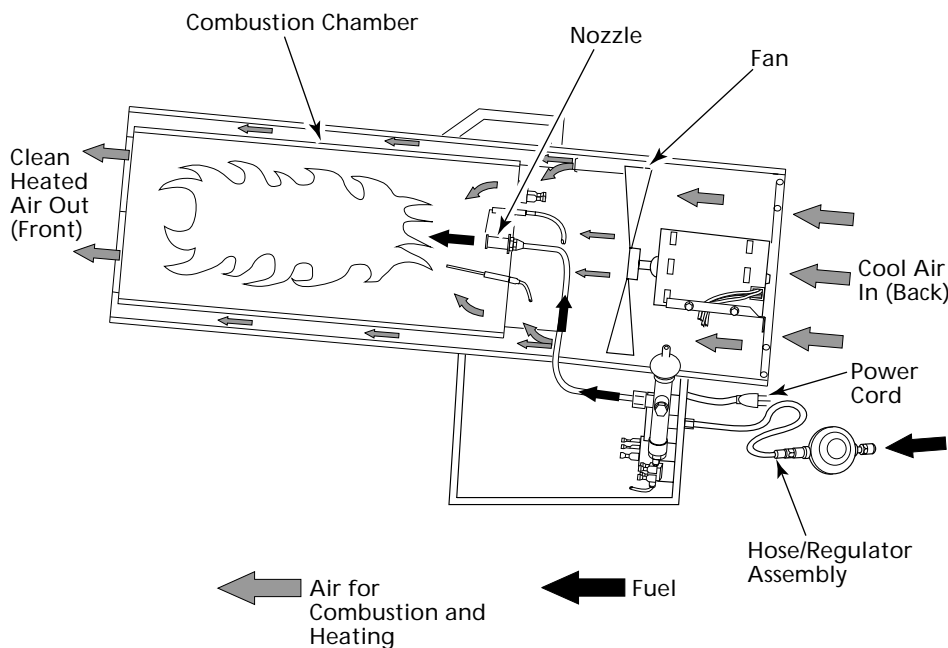


Figure 3 - Cross Section Operational View

Dayton® Propane Construction Heater

Ventilation

▲WARNING Follow the minimum fresh, outside air ventilation requirements. If proper fresh, outside air ventilation is not provided, carbon monoxide poisoning can occur. Provide proper fresh, outside air ventilation before running heater.

Provide at least a three-square-foot (2,7m²) opening of fresh, outside air for each 100,000 Btu/Hr rating while running heater.

Installation

▲WARNING Review and understand the warnings in the General Safety Information section, pages 2 and 3. They are needed to safely operate this heater. Follow all local codes when using this heater.

▲WARNING Test all gas piping and connections for leaks after installing or servicing. Never use an open flame to check for a leak. Apply a mixture of liquid soap and water to all joints. Bubbles forming show a leak. Correct all leaks at once.

1. Provide propane supply system (See Propane Supply, page 5).
2. Connect fuel gas connector fitting on hose/regulator assembly to propane tank(s). Turn counterclockwise into threads on tank valve. Tighten firmly using wrench.

IMPORTANT: Tighten regulator with vent pointing down. Pointing vent down protects regulator from weather damage.

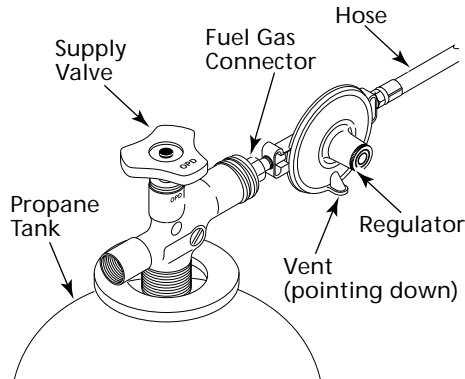


Figure 4 - Regulator With Vent Pointing Down

3. Connect hose to inlet connector. Tighten firmly using a wrench.

IMPORTANT: Extra hose or piping may be used if needed. Install extra hose or piping between hose/regulator assembly and propane tank. You must use the regulator supplied with heater.

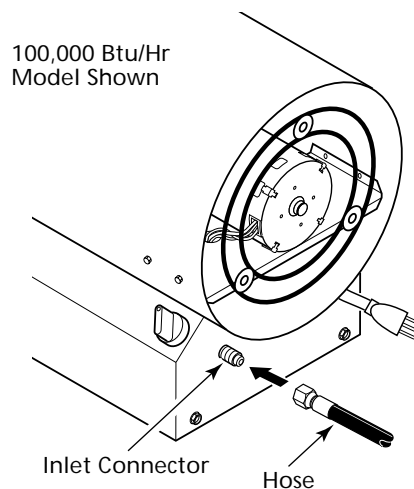


Figure 5 - Hose and Inlet Connector

4. Open propane supply valve on propane tank(s) slowly.

NOTE: If not opened slowly, excess-flow check valve on propane tank will stop gas flow. If this happens, close propane supply valve and open again slowly.

5. Check all connections for leaks.

▲WARNING Never use an open flame to check for a leak. Apply a mixture of liquid soap and water to all joints. Bubbles forming show a leak. Correct all leaks at once.

6. Close propane supply valve.

Operation

▲WARNING Review and understand the warnings in the General Safety Information section, pages 2 and 3. They are needed to safely operate this heater. Follow all local codes when using this heater.

TO START HEATER

1. Follow all installation, ventilation and safety information.
2. Locate heater on stable and level surface. Make sure strong drafts do not blow into front or rear of heater.
3. Make sure the control knob is in the OFF position.
4. Plug power cord of heater into a three-prong, grounded extension cord. Extension cord must be at least two meters (six feet) long, UL/CSA listed, and of a proper size.

EXTENSION CORD WIRE SIZE REQUIREMENT

Up to 100 feet long, use 16 AWG rated cord.

101 to 200 feet long, use 14 AWG rated cord.

Model 3VG80

Operation (Continued)

5. Plug extension cord into a 120 Volt/60 Hertz, 3-hole, grounded outlet. Motor will start. Fan will turn, forcing air out front of heater.
6. Open propane supply valve on propane tank(s) slowly.

NOTE: If not opened slowly, excess-flow check valve on propane tank will stop gas flow. If this happens, close propane supply valve and open again slowly.

7. Press and hold in control knob. Turn counterclockwise to the LOW position. Heater should ignite within a few seconds.

NOTE: If heater fails to ignite, hose may have air in it. If so, keep automatic control valve button pressed and wait 20 seconds. Release automatic control valve button and wait 20 seconds for unburned fuel to exit heater. Repeat step 7.

8. After ignition, wait 30 seconds then release the control knob. This activates the automatic control system.
9. When burner remains lit, set heater at the desired heat level by turning the control valve counterclockwise. If burner goes out, turn off gas. Turn control knob fully clockwise to the lowest position. Check fuel supply. If adequate fuel is available, restart heater beginning at Step #1.

TO STOP HEATER

1. Tightly close propane supply valve on propane tank(s).
2. Wait a few seconds. Heater will burn gas left in supply hoses.
3. Turn control knob to the OFF position.
4. Unplug heater.

Storage

▲ CAUTION *Disconnect heater from propane supply tank(s).*

1. Store propane tank(s) in safe manner. See Chapter 5 of *Standard for Storage and Handling of Liquefied Petroleum Gases, ANSI/NFPA 58*. Follow all local codes. Always store propane tanks outdoors.
2. Place plastic cover caps over brass fittings on inlet connector and hose/regulator assembly.
3. Store in dry, clean, and safe place. Do not store hose/regulator assembly inside heater combustion chamber.
4. When taking heater out of storage, always check inside of heater. Insects and small animals may place foreign objects in heater. Keep inside of heater free from combustible and foreign objects.

Maintenance

▲ WARNING • *Never attempt to service heater while it is plugged in, connected to propane supply, operating, or hot. Severe burns and electrical shock can occur.*

- *Keep heater clear and free from combustible materials, gasoline, and other flammable vapors and liquids.*
- *Do not block the flow of combustion or ventilation air.*

1. Keep heater clean. Clean heater annually or as needed to remove dust and debris. If heater is dirty or dusty, clean heater with a damp cloth. Use household cleaners on difficult spots.

2. Inspect heater before each use. Check connections for leaks. Apply mixture of liquid soap and water to connections. Bubbles forming show a leak. Correct all leaks at once.
3. Inspect hose/regulator assembly before each use. If hose is highly worn or cut, replace.
4. Have heater inspected yearly by a qualified service person.
5. Keep inside of heater free from combustible and foreign objects. Remove motor and other internal parts if needed to clean inside of heater (See *Service Procedures*, page 8).
6. Clean fan blades each season or as needed (See *Fan*, page 8).

SERVICE PROCEDURES

▲ WARNING *Never attempt to service heater while it is plugged in, connected to propane supply, operating, or hot. Severe burns and electrical shock can occur.*

MOTOR

1. With heater on its side, remove base tray.
2. Access ground screw through underside of heater base. Remove ground screw. Disconnect the green motor wire and the green power cord wire from underside of shell (See Figure 6, page 8).
3. Remove black and white motor wires from terminal board (See Figure 6, page 8).
4. Carefully push motor wires through hole in bottom of shell.
5. Remove screws holding motor mount to shell. Use nut-driver (See Figure 7, page 8).

Dayton® Propane Construction Heater

Maintenance (Continued)

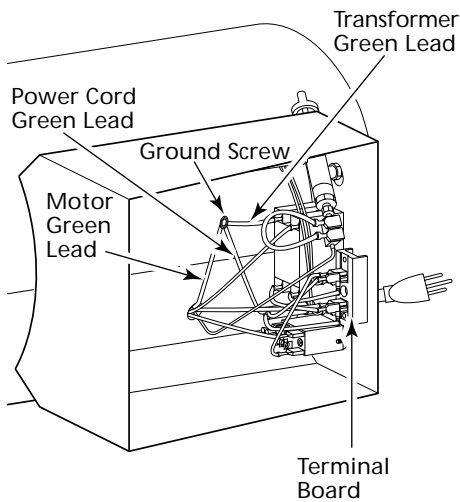


Figure 6 - Location of Ground Screw

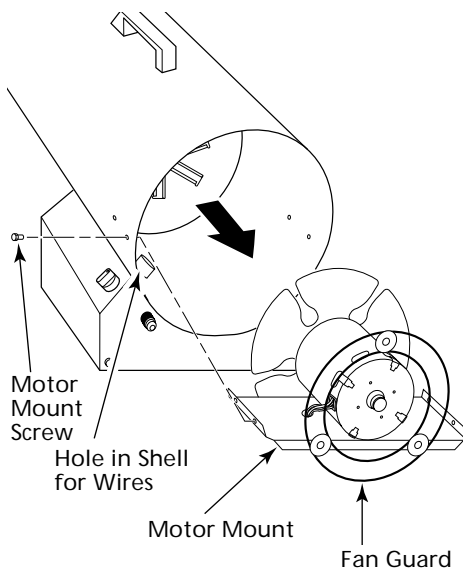


Figure 7- Removing Motor, Motor Mount, and Fan Guard from Heater

6. Carefully pull motor and fan out of shell.

IMPORTANT: Be careful not to damage fan. Do not set motor and fan down with the weight resting on fan. This could damage fan pitch.

7. Use hex wrench to loosen setscrew which holds fan to motor shaft.
8. Remove fan. Be careful not to damage the fan blade pitch.
9. Use nut driver to remove two nuts that attach motor to motor mount.
10. Discard old motor.
11. Attach motor to motor mount with two nuts. Tighten nuts firmly.
12. Replace fan on motor shaft. Make sure setscrew contacts flat surface on motor shaft.
13. Tighten setscrew firmly (40-50 inch-pounds).

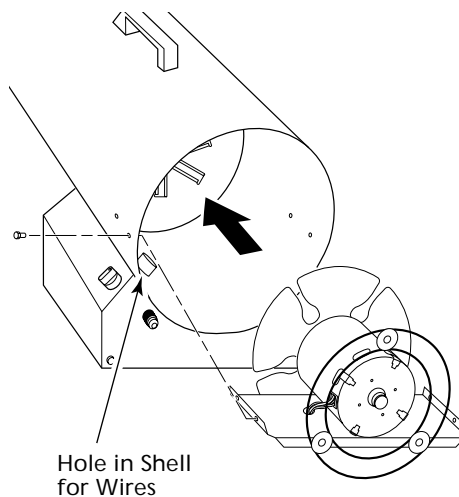


Figure 8 - Replacing Motor, Motor Mount, and Fan Guard into Heater

14. Carefully route motor wires through hole in shell (See Figure 8). Place motor, motor mount, and fan guard into rear of heater shell.
15. Insert screws through heater shell and into motor mount. Tighten screws firmly.
16. Turn heater on its side to access opening in bottom of base. Connect green wires from motor, transformer, and power cord to heater shell using ground nut (See Figure 5, page 10).
17. Attach black and white wires to terminal board (See Wiring Diagram, page 14, for correct locations).
18. Replace base tray.

FAN

1. Remove motor, motor mount, and fan (See Motor, pages 7 and 8, steps 1 through 8).
2. Clean fan using soft cloth moistened with kerosene or solvent.
3. Dry fan thoroughly.
4. Replace fan on motor shaft. Make sure setscrew is touching back of flat surface on motor shaft (See Figure 9).

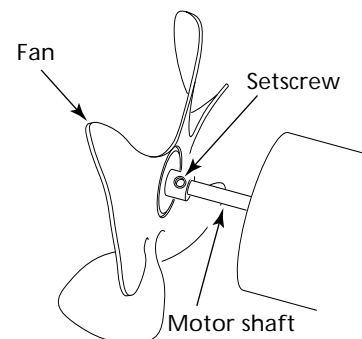


Figure 9 - Fan, Motor Shaft, and Setscrew Location

Model 3VG80

Maintenance (Continued)

- Place setscrew on flat of shaft. Tighten setscrew firmly (40-50 inch-pounds).
- Place motor, motor mount, and fan guard into rear of heater shell (See *Motor*, page 8, steps 14 through 18).

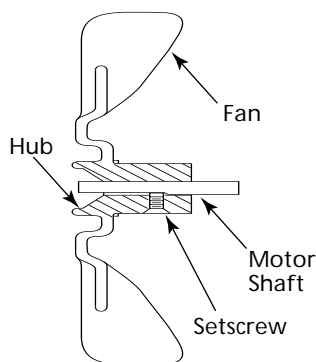


Figure 10 - Fan Cross Section

SPARK TRANSFORMER

- Remove base tray.
- Locate and disconnect white, black, and orange wires from spark transformer.
- Remove two screws holding spark transformer to base. Remove sheet metal nuts on transformer and install on new transformer. Discard spark transformer.
- Install new spark transformer. Position new spark transformer in same manner as old transformer.
- Connect white, black, and orange wires to new spark transformer. Connect wires to correct terminals as noted in step 2.
- Replace base tray.

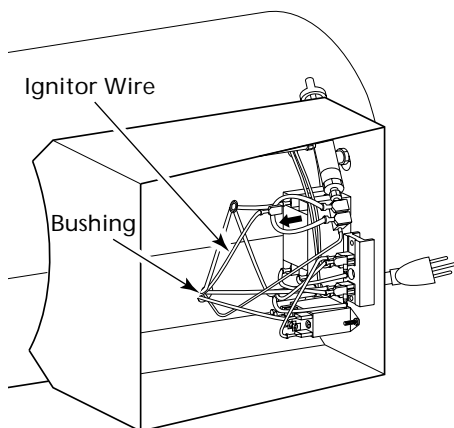


Figure 11 - Removing Ignitor Wire from Spark Transformer

IGNITOR

- Remove motor, motor mount, and fan guard (See *Motor*, page 7, steps 1 through 6).
- Remove orange ignitor wire from ignitor.
- Remove ignitor mounting screw from rear head using nut-driver or standard screwdriver (See Figure 12).

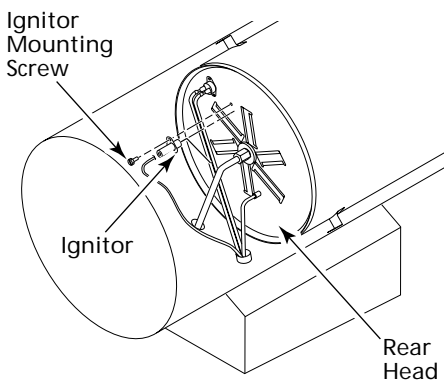


Figure 12 - Removing Ignitor Mounting Screw and Ignitor

- Remove ignitor from rear head.
- Install new ignitor. Attach ignitor to rear head with ignitor mounting screw.
- Attach ignitor wire.
- Check gap between ignitor electrode and target plate. Gap should be .13" to .15" (See Figure 13).

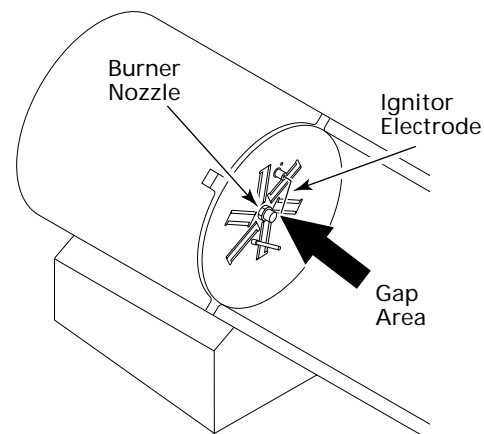


Figure 13 - Clearance between Ignitor Electrode and Target Plate

- Test for spark.

▲ WARNING *Make sure heater is disconnected from propane supply. Heater could ignite causing severe burns.*

Plug into extension cord and watch for spark between ignitor electrode and target plate.

- Place motor, motor mount, and fan guard into rear of heater shell (See *Motor*, page 8, steps 14 through 18).

Dayton® Propane Construction Heater

Accessories

| Description | Part No. |
|-----------------------------|----------|
| Regulator | LPA2150 |
| Hose and Regulator Assembly | LPA3100 |
| 10' Hose Assembly | LPA1000 |
| Fuel Gas Connector | LPA4020 |

Wiring Diagram

100,000 BUT/HR MODEL

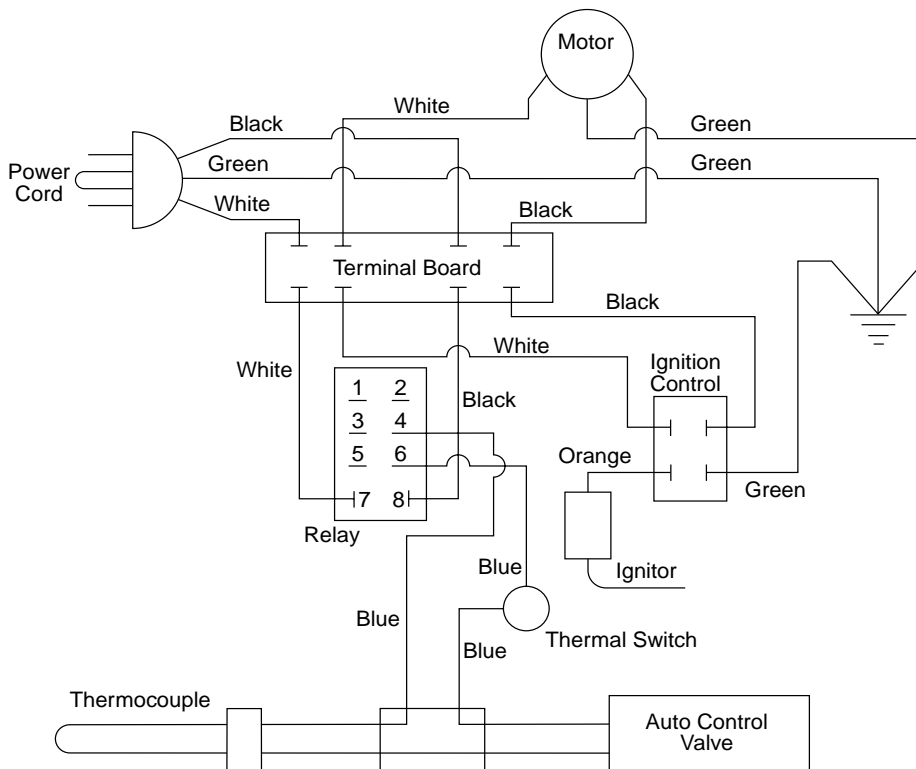


Figure 14 - Electrical Connection Diagram

Model 3VG80

Troubleshooting Chart

⚠ WARNING *Never attempt to service heater while it is plugged in, connected to propane supply, operating, or hot. Severe burns and electrical shock can occur.*

| Symptom | Possible Cause(s) | Corrective Action |
|---|---|--|
| Fan does not turn when heater is plugged in | 1. No electrical power to heater | 1. Check voltage to electrical outlet. If voltage is good, check heater power cord for breaks |
| | 2. Fan hitting inside of heater shell | 2. Adjust motor mount/fan guard to keep fan from hitting inside of heater shell. Bend motor mount/fan guard if necessary |
| | 3. Fan blades bent | 3. Replace fan. See <i>Fan</i> , page 8 |
| | 4. Defective motor | 4. Replace motor. See <i>Motor</i> , page 7 |
| Heater will not ignite | 1. User did not follow installation or operation instructions properly | 1. Repeat installation and operation instructions. See <i>Installation</i> , page 6 and <i>Operation</i> , page 6 |
| | 2. No spark at ignitor. To test for spark, follow step 8 under <i>Ignitor</i> , page 13. If you see spark at ignitor, have heater serviced by qualified service person. If no spark seen: | 2. A) Check ignitor wire. Tighten or reattach loose ignitor wire. See Figure 11, page 9 for ignitor wire location |
| | A) Loose or disconnected ignitor wire | B) Set gap between ignitor electrode and target plate. Gap should be .13" to .15" |
| | B) Wrong spark gap | C) Replace ignitor electrode. See <i>Ignitor</i> , page 9 |
| C) Bad ignitor electrode | D) Replace spark transformer. See <i>Spark Transformer</i> , page 9 | |
| D) Bad spark transformer | | |
| Heater shuts down while running | 1. Propane supply may be inadequate | 1. A) Refill tank B) Provide additional and/or larger tanks. See <i>Propane Supply</i> , page 5 |
| | 2. High surrounding air temperature causing thermal limit device to shut down heater | 2. This can happen when running heater in temperatures above 85°F. Run heater in cooler temperatures |
| | 3. Restricted air flow | 3. Check heater inlet and outlet. Remove any obstructions |
| | 4. Damaged fan | 4. Replace fan. See <i>Fan</i> , page 8 |
| | 5. Excessive dust or debris in surrounding area | 5. Clean heater. See <i>Maintenance</i> , page 7 |

⚠ WARNING *Use only in areas free of high dust content.*

For Repair Parts, call 1-800-323-0620

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

Address parts correspondence to:
 Grainger Parts
 P.O. Box 3074
 1657 Shermer Road
 Northbrook, IL 60065-3074 U.S.A.

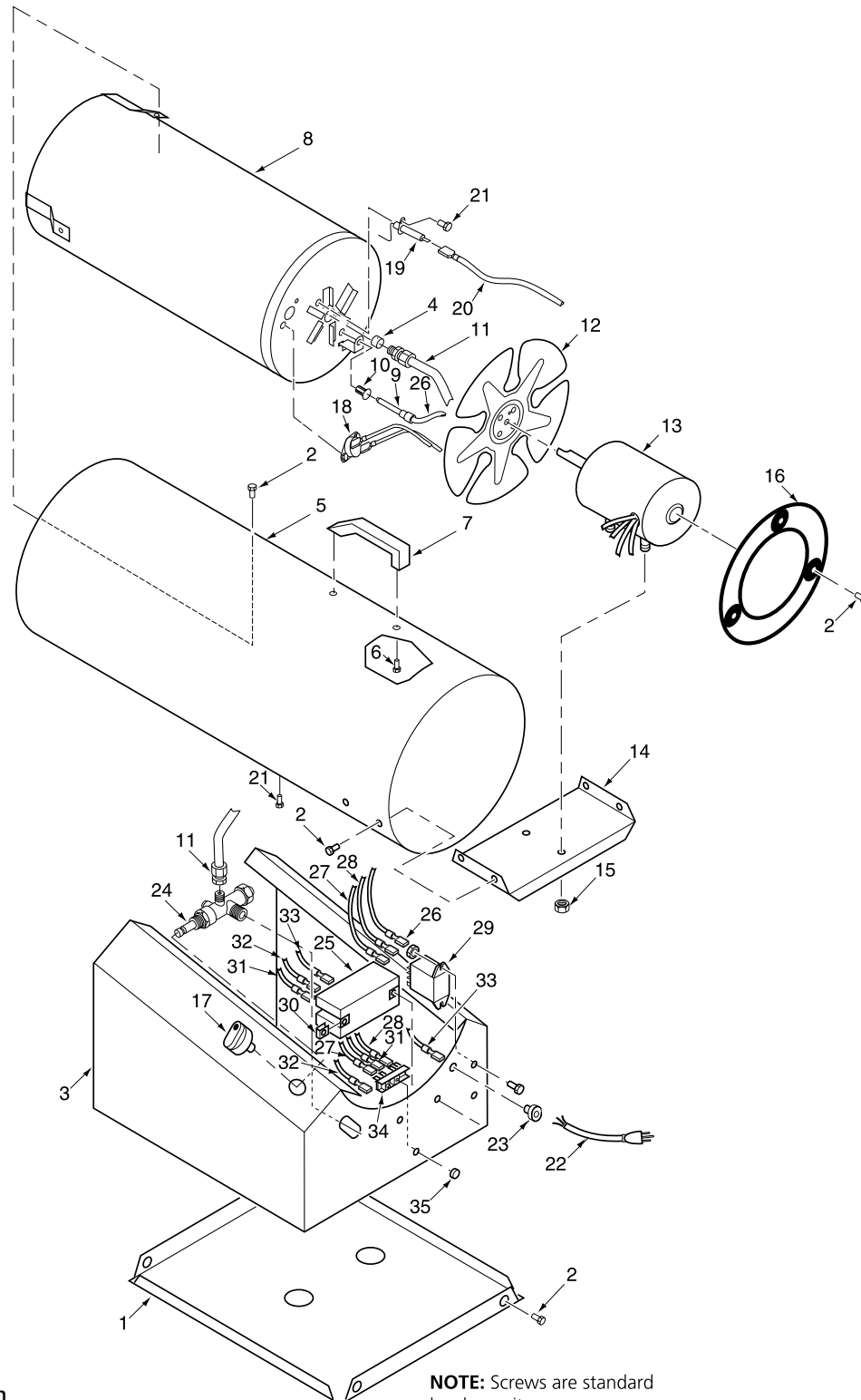


Figure 15 - Repair Parts Illustration

Repair Parts List

▲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. This will also protect your warranty coverage for parts replaced under warranty.

| Reference Number | Description | Part No. | Quantity |
|------------------|--|-------------|----------|
| 1 | Base Tray | 102362-01 | 1 |
| 2 | *Hex TPG Screw, 10-16 X 38 | M11084-26 | 15 |
| 3 | Base | 103917-01AA | 1 |
| 4 | Nozzle | 099138-02 | 1 |
| 5 | Shell Kit | 098511-216 | 1 |
| 6 | *Hex TPG Screw, 10-16 X .75 | M11084-29 | 2 |
| 7 | Handle | M51104-01 | 1 |
| 8 | Combustion Chamber Kit | 098512-61 | 1 |
| 9 | Thermocouple | 099538-01 | 1 |
| 10 | Thermocouple Clip | 099237-01 | 1 |
| 11 | Fuel Tube Kit | 099334-02 | 1 |
| 12 | Fan | M51153-01 | 1 |
| 13 | Motor | 102366-01 | 1 |
| 14 | Motor Bracket | 102380-01 | 1 |
| 15 | Hex Lock Nut, 1/4-20 | NTC-4C | 2 |
| 16 | Fan Guard | 102315-02 | 1 |
| 17 | Control Knob | 099393-03 | 1 |
| 18 | Thermal Switch Kit (Including Wire Assemblies) | 101732-04 | 1 |
| 19 | Ignitor Electrode | 102487-01 | 1 |
| 20 | Ignitor Cable | 097806-02 | 1 |
| 21 | *Screw, Hex TPG, 8-18 X .38 | M11084-38 | 2 |
| 22 | Power Cord | 098219-17 | 1 |
| 23 | Strain Relief Bushing | M11143-1 | 1 |
| 24 | Valve Kit | 103846-01 | 1 |
| 25 | Ignition Control | 102601-01 | 1 |
| 26 | Wire Assembly (Relay) | 079010-30 | 1 |
| 27 | Wire Assembly (Relay) | 079010-19 | 1 |
| 28 | Wire Assembly (Relay) | 097951-14 | 1 |
| 29 | Relay Kit | 103847-01 | 1 |
| 30 | U-Clip Nut, #6 X .12 | 102602-01 | 2 |
| 31 | Wire Assembly (Ignition Control) | M9900-170 | 1 |
| 32 | Wire Assembly (Ignition Control) | M16841-56 | 1 |
| 33 | Wire Assembly (Ignition Control) | M16841-68 | 1 |
| 34 | Terminal Board | 099125-11 | 1 |
| 35 | Break Mandrel Rivet, 3/16 | 099157-01 | 1 |
| | Service Center List | M50985-01 | 1 |
| | Tradename Decal | 099153-05 | 1 |
| | Operation Decal | 105350-02 | 1 |
| | Warning Decal | 105351-01 | 1 |
| | Electrical Decal | 102599-01 | 1 |

() Not shown. (*) Standard hardware item, available locally.

Dayton Propane Construction Heater

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.

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Manufactured for Dayton Electric Mfg. Co., 5959 W. Howard St., Niles, Illinois 60714 U.S.A.



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