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 4TM53A heater is a 30,000 to 50,000 BTU/Hr construction heater. This heater uses propane gas for combustion and electricity to run the motor. 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.

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 4TM53A

⚠ 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 instructions 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 and approved for use as a construction heater under ANSI Z83.7. 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.

Other standards govern the use of fuel gases and heat producing products for specific uses. Your local authorities can advise you about these.

DESIGN CERTIFIED

Form 5S4260

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0900/286/VCPVP

107377-01
Rev. A
10/00

Dayton® Propane Construction Heater

General Safety Information

IMPORTANT: 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, COULD 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.

⚠ DANGER ***Carbon monoxide poisoning may result in 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 working properly or the areas may not be properly 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 ***Make certain you read and understand all warnings. Keep this manual for reference. It is your guide to safe and proper operation of this heater.***

- ***Install and use heater with care. Follow all local ordinances and codes. In the absence of local ordinances and codes, refer to Standard for Storage and Handling of Liquefied Petroleum Gas, ANS/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, ANS/NFPA 70, or 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.***
- ***Use only a three-prong, grounded extension cord.***
- ***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 1.5-square-foot opening of fresh, outside air.***
- ***This heater produces carbon monoxide, which is listed by the State of California as a reproductive toxin under Proposition 65.***
- ***Approved by the New York City Fire Department under Certificate of Approval #4953. To be used only at construction site with applicable New York City codes, regulations, rules, directives, permits, etc.***
- ***This product has been approved for use in the Commonwealth of Massachusetts.***
- ***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 below ground level. Propane gas is heavier than air. If a leak occurs, propane gas may sink to the lowest possible level.***
- ***Keep appliance area clear and free from combustible materials, gasoline, paint thinner, and other flammable vapors and liquids. Do not use heater in areas with high dust content.***
- ***Minimum heater clearances from combustibles:***

  Outlet: 6 Ft. Sides: 2 Ft.
  Top: 6 Ft. Rear: 2 Ft.
- ***Keep heater at least six feet from propane tank(s). Do not point heater at propane tank(s) within 20 feet.***
- ***Keep propane tank(s) below 100° F.***
- ***Check heater for damage before each use. Do not use a damaged heater.***

Model 4TM53A

General Safety Information (Continued)

- ***Check hose before each use of heater. If highly worn or cut, replace before using heater.***
- ***Locate heater on stable and level surface if heater is hot or operating.***
- ***Not intended for use on finished floors.***
- ***Never block air inlet (rear) or air outlet (front) of heater.***
- ***Keep heater away from strong drafts, water spray, rain, or dripping water.***
- ***Do not leave heater unattended.***
- ***Keep children and animals away from heater.***
- ***Never move, handle, or service a hot, operating, or plugged-in heater. Severe burns may result. Wait 20 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 and unplug heater when not in use.***
- ***Use only original repair parts. This heater must use design-specific parts. Do not substitute or use generic parts. Improper repair parts could cause serious or fatal injuries.***

Specifications

ELECTRICAL SPECIFICATIONS

Model	Electrical Input	Amperage
4TM53A	120 Volt/60 Hertz	2

GENERAL SPECIFICATIONS

Model	Output Rating Btu/Hr	Fuel	Minimum Fuel Consumption	Maximum Fuel Consumption	Size L x W x H (Inches)	Regulator Outlet Pressure	Weight (pounds)
4TM53A	49,500 High 30,000 Low	Propane Vapor Only	.33 Gallons/Hour 1.4 Pounds/Hour	.54 Gallons/Hour 2.3 Pounds/Hour	18.5 x 7.7 x 12.8	18" WC	14.5 (Heater) 16 (Shipping)

GENERAL SPECIFICATIONS (CONT.)

Model	Manifold Pressure	Hot Air Output (CFM Approx)	Ignition	Supply Pressure To Regulator	Temperature Range For Operating Heater	Motor
4TM53A	13.7" WC High 17.0" WC Low	275	Manual Piezo	10 psi Minimum (for purposes of input adjustment) Tank Pressure or 200 psi Maximum	-20° F to 85° F*	3300 RPM

(*) When running heater in temperatures above 85° F, high internal temperatures may cause thermal limit device to shut down heater. Minimum ambient operating temperature: -20°F (-28°C).

Includes 10' hose/regulator assembly, UL listed, and fuel gas connector (connects regulator to all standard propane tanks, UL and AGA listed)

Dayton® Propane Construction Heater

Product Identification

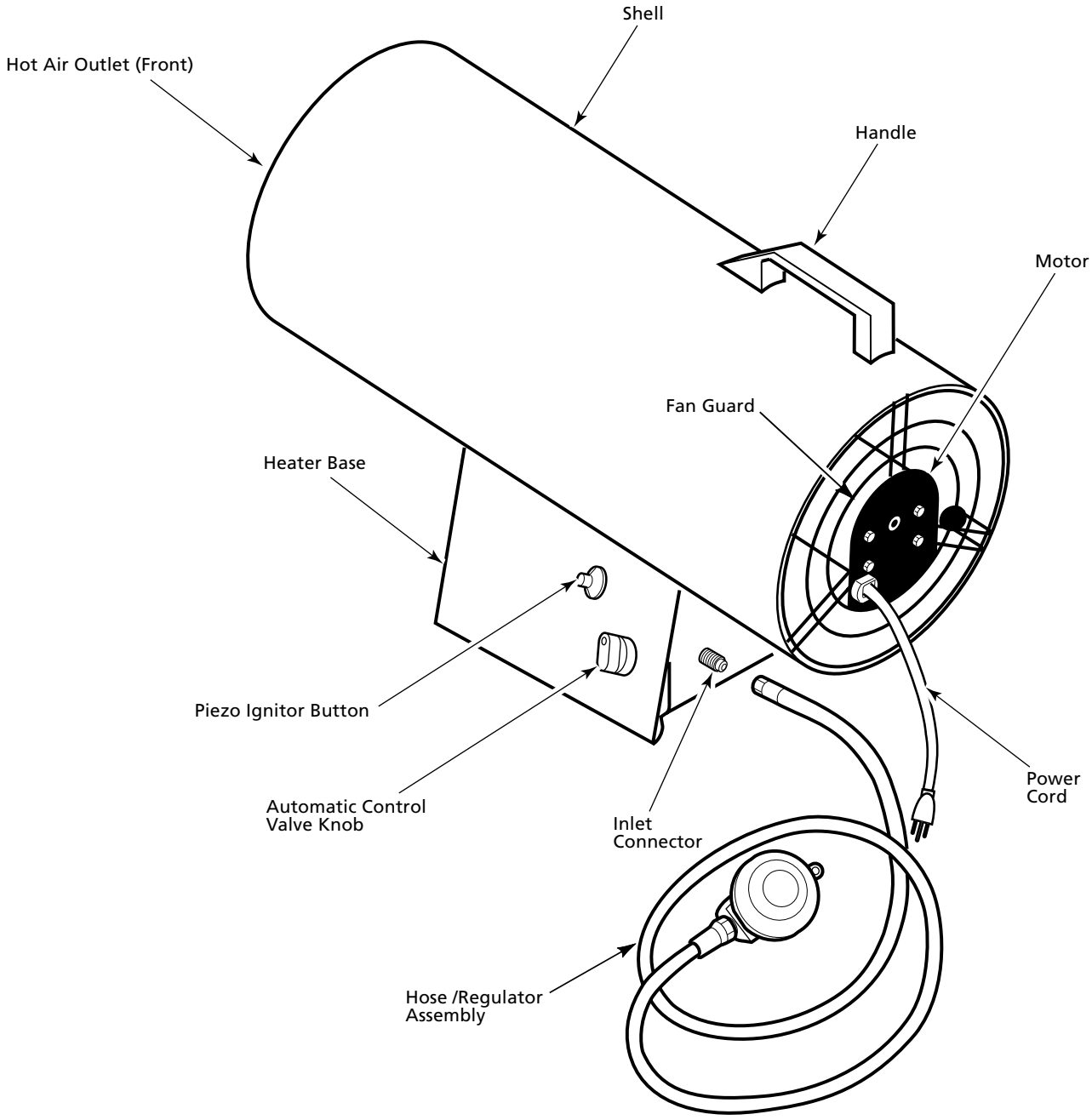

Figure 2 – Model 4TM53A

Model 4TM53A

Theory of Operation

THE FUEL SYSTEM

The hose/regulator assembly attaches to the propane gas supply. This provides fuel to the heater.

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 piezo ignitor lights the burner.

THE AUTOMATIC CONTROL SYSTEM

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

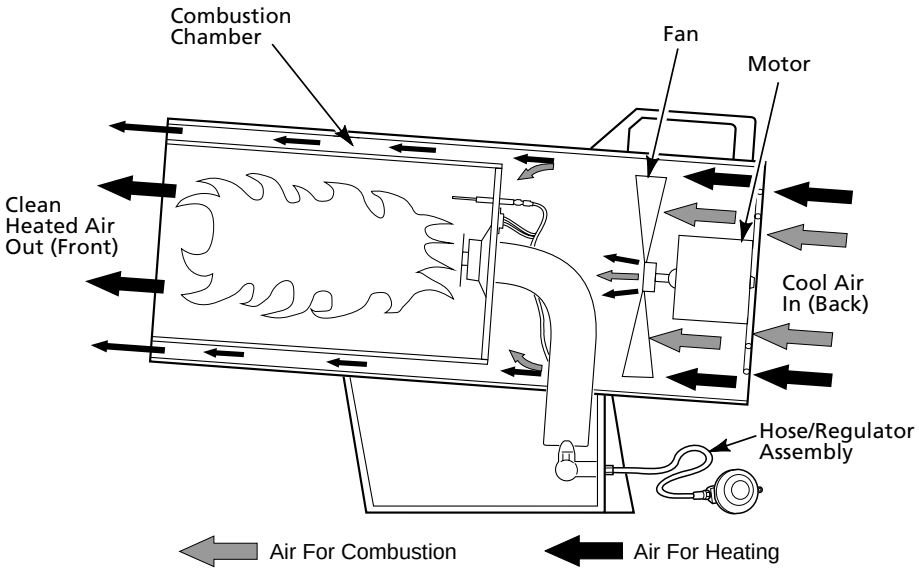

Figure 3 - Cross Section Operational View

Propane Supply

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

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, ANS/NFPA 58 and/or CAN/CGA B149.2*. 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)

This heater is designed to operate with a minimum 20-pound propane tank. You may need two or more tanks or one larger tank in colder weather. Use a 100-pound tank for longer operation or in very cold weather. Less gas is vaporized at lower temperatures. 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).

Average Temperature (°F) at Tank Location	Number of Tanks (100 lbs.)
40°	1
32°	1
20°	1
10°	1
0°	1
-10°	2
-20°	2

Dayton® Propane Construction Heater

Assembly

1. Remove screw from top of fan guard. Discard screw.

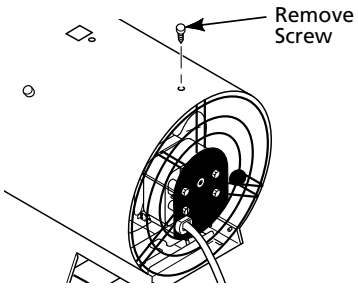

Figure 4 - Removing Screw from Top of Fan Guard

2. Insert nut clip (provided with handle) with flat side facing up through slot in top of shell. Align holes in nut clip with screw hole behind slot in top of shell (see Figure 5).

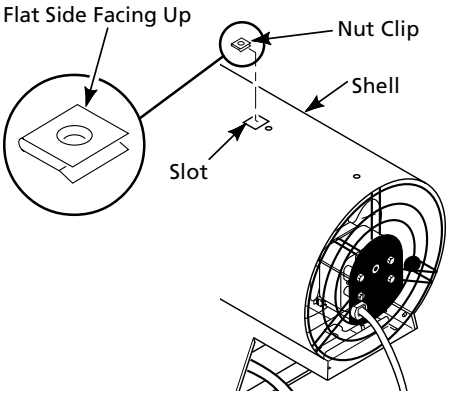

Figure 5 - Installing Nut Clip

3. Place handle over hole and clip. Insert two screws (provided with handle) through handle and tighten in to shell. Make sure rear screw goes through shell and into fan guard. Tighten screws firmly.

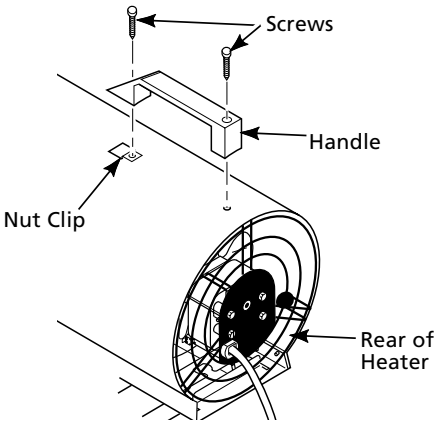

Figure 6 - Attaching Handle

Installation

⚠WARNING ***Review and understand the warnings in the General Safety Information Section. 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 installation 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. You must use the regulator supplied with heater.***

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

IMPORTANT: Position regulator so that hose leaving the regulator is in a horizontal position (See Figure 7). This places the regulator vent in the proper position to protect it from the weather.

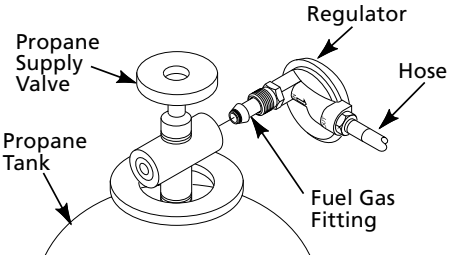

Figure 7 - Regulator Position

3. Connect hose to inlet connector. Tighten firmly using a wrench.
4. Open propane supply valve on propane tank(s) slowly.

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

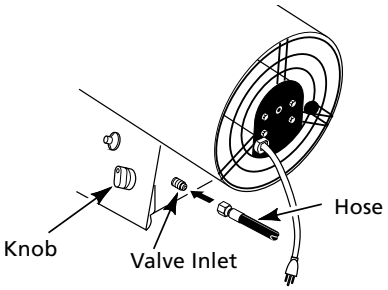

Figure 8 - Hose and Inlet Connector

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.

Model 4TM53A

Ventilation

⚠WARNING ***Provide at least a 1.5-square-foot opening of fresh, outside air while using heater. If proper fresh, outside air ventilation is not provided, carbon monoxide poisoning can occur. Provide proper fresh, outside air ventilation before running heater.***

Operation

⚠WARNING ***Review and understand the warnings in the General Safety Information section. 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. Plug power cord of heater into a three-prong, grounded extension cord. Extension cord must be at least six feet long. Extension cord must be UL listed.

   EXTENSION CORD WIRE SIZE REQUIREMENTS
   Up to 50 feet long, use 18 AWG rated cord.
   51 to 100 feet long, use 16 AWG rated cord.
   101 to 200 feet long, use 14 AWG rated cord.
4. Plug extension cord into a 120 Volt/ 60 Hertz, three-hole, grounded outlet. Motor will start. Fan will turn, forcing air out front of heater.
5. Open propane supply valve on propane tank(s) slowly.

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

⚠WARNING ***Be sure motor and fan are running before pushing in automatic control valve button. Flames could flash outside heater if motor and fan are not running.***

6. Turn control knob to the low position and push in (See Figure 9). Hold knob in and push piezo ignitor button. You may need to push piezo ignitor button 3-8 times until the main burner lights. When main burner lights, keep automatic control valve knob pushed in. Release button after 30 seconds.

NOTE: If main burner fails to light, hose may have air in it. If so, keep control knob pressed and wait 20 seconds. Release control knob and wait 20 seconds for unburned fuel to exit heater. Repeat step 6.

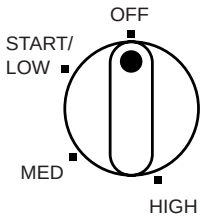

Figure 9 - Control Knob Positions

7. If main burner goes out, repeat step 6.
8. When main burner remains lit, rotate control knob to the desired heat level.

NOTE: If heater is unplugged or power outage occurs while heater is running, the thermal limit device will stop fuel flow. A few seconds occur before the thermal limit device activates. During this short time, flames may appear outside the heater. This is normal. The flames will go out when thermal limit device activates.

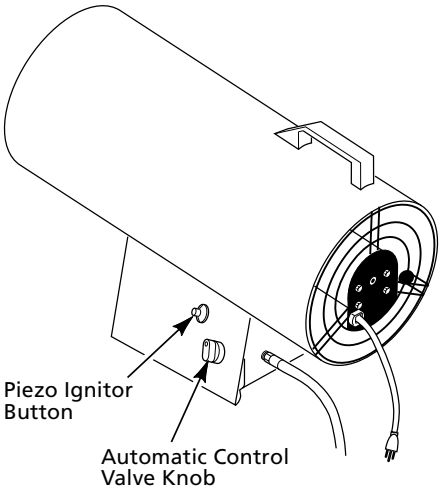

Figure 10 - Automatic Control Valve Button and Piezo Ignitor Button

TO STOP HEATER

1. Tightly close propane supply valve on propane tank(s). Allow heater to burn remaining fuel in hose.
2. Shut off main burner valve. Do this by turning control knob to the OFF position until it stops.

TO RESTART HEATER

1. Wait five minutes after stopping heater.
2. Repeat steps under *To Start Heater*.

Dayton® Propane Construction 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, ANS/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. Remove motor and other internal parts if needed to remove foreign objects (See *Service Procedures*).

Maintenance

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

⚠WARNING ***Keep heater clear and free from combustible materials, gasoline, and other flammable vapors and liquids.***

⚠WARNING ***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 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*).
6. Clean fan blades each season or as needed (see *Fan,* page 9).

SERVICE PROCEDURES

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

ELECTRICAL SYSTEM

The entire electrical system for this heater is contained within the motor. If any part of the electrical system is damaged, you must replace motor.

MOTOR

1. Remove three screws that attach fan guard to heater shell.
2. Remove motor and fan guard from heater shell (see Figure 11).

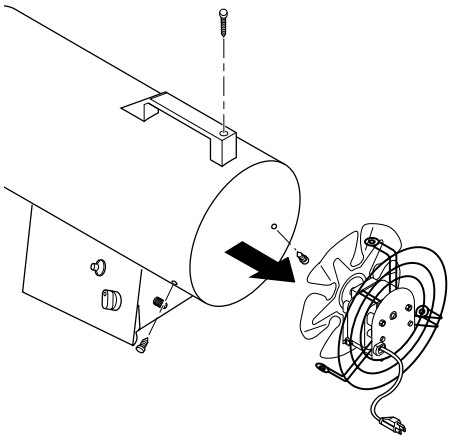

Figure 11 - Removing Motor and Fan Guard from Heater

3. Use hex wrench to loosen set screw which holds fan to motor shaft (see Figure 12). Remove fan. Be careful not to damage the fan blade pitch.

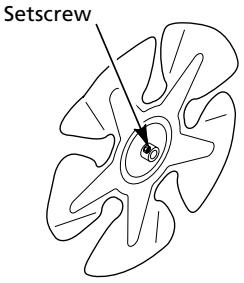

Figure 12 - Setscrew Location

4. Remove two nuts and two screws that attach fan guard to motor using nut-driver. Remove fan guard from motor (see Figure 13, page 9).
5 Disconnect the green power cord wire from motor and remove black and white wire terminals.
6. Discard old motor.
7. Attach green power cord wire to motor.

Model 4TM53A

Maintenance (Continued)

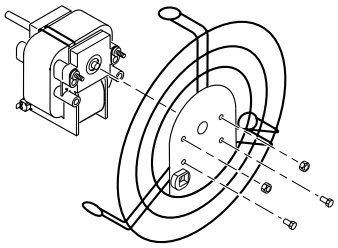

Figure 13 - Removing or Attaching Fan Guard from Motor

8. Attach fan guard to new motor with two nuts and two screws.
9. Replace black and white terminals.
10. Place fan onto motor shaft of new motor. Make sure set screw contacts flat surface on motor shaft. Tighten set screw firmly (40-50 inch-pounds).
11. Place motor and fan guard into rear of heater shell. Make sure power cord is properly located (see Figure 14).
12. Insert three screws through heater shell and into fan guard. Tighten screws firmly.

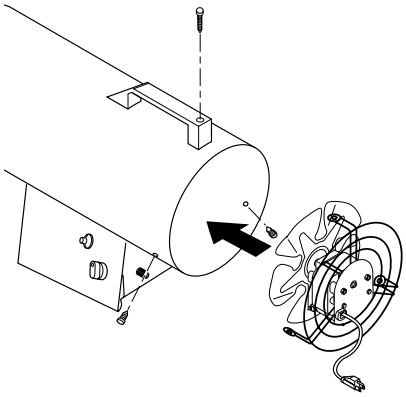

Figure 14 - Replacing Motor and Fan Guard into Heater

FAN

1. Remove three screws that attach fan guard to heater shell.
2. Remove motor and fan guard from heater shell (see Figure 15).

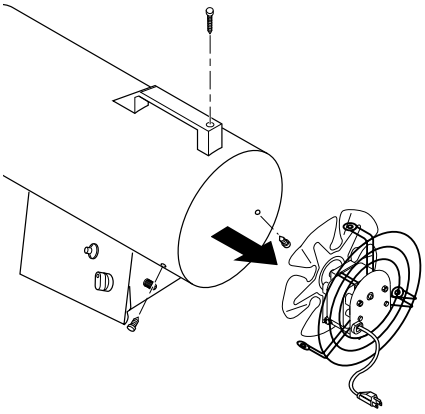

Figure 15 - Removing Motor and Fan Guard from Heater

3. Use hex wrench to loosen set screw that holds fan to motor shaft (see Figure 16).

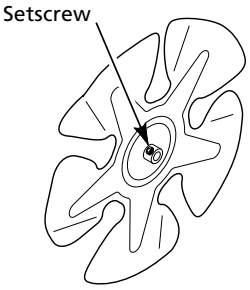

Figure 16 - Setscrew Location

4. Remove fan. Be careful not to damage the fan blade pitch.

5a. If replacing fan, remove old fan and discard. Go to step 7 below.

5b. If cleaning fan,use soft cloth moistened with kerosene or solvent.

6. Dry fan thoroughly.
7. Place fan onto motor shaft. Make sure set screw contacts flat surface on motor shaft. Tighten set screw firmly (40-50 inch-pounds).
8. Place motor and fan guard into rear of heater shell. Make sure power cord is properly located (see Figure 17).

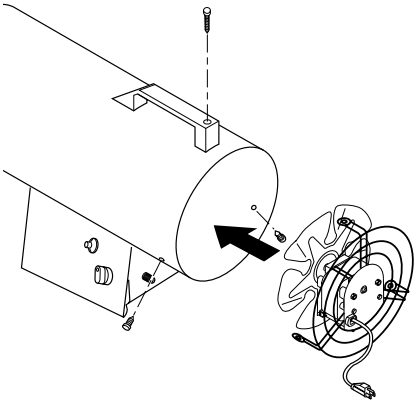

Figure 17 - Replacing Motor and Fan Guard into Heater

9. Insert three screws through heater shell and into fan guard. Tighten screws firmly.

Dayton® Propane Construction Heater

Maintenance (Continued)

IGNITOR

1. Remove motor and fan guard from heater (See *Motor,* page 8, steps 1 and 2).
2. Remove black ignitor wire from piezo ignitor. Access ignitor wire through underside of heater base (See Figure 18). Push wire up through bushing in heater shell.

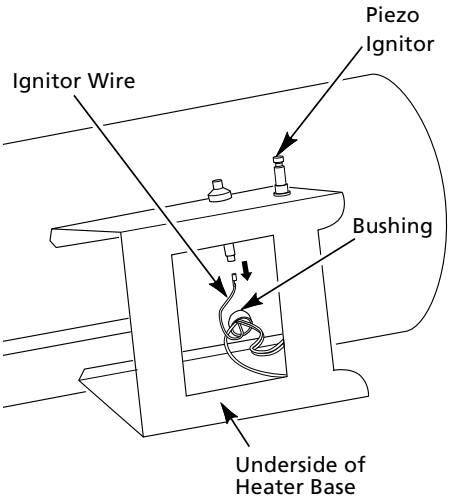

Figure 18 - Removing Ignitor Wire From Piezo Ignitor

3. Remove ignitor mounting screw from rear head using nut-driver or standard screwdriver (See Figure 19).
4. Remove ignitor from rear head.
5. Install new ignitor. Attach ignitor to rear head with ignitor mounting screw.
6. Run ignitor wire from new ignitor through bushing in heater shell. Attach ignitor wire to piezo ignitor.
7. Set gap between ignitor electrode and target plate to .17" (See Figure 20).

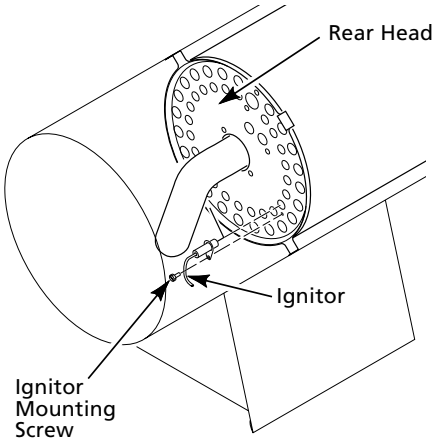

Figure 19 - Removing Ignitor Mounting Screw and Ignitor

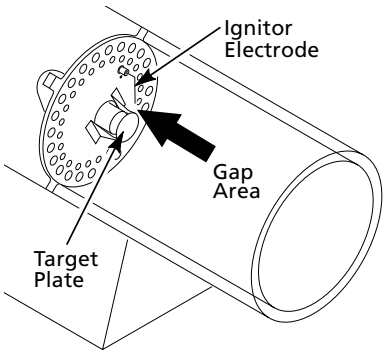

Figure 20 - Clearance Between Ignitor Electrode and Target Plate

8. Test for spark.

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

Push piezo ignitor button and watch for spark between ignitor electrode and target plate.

9. Place motor and fan guard into rear of heater shell (See *Motor,* page 9, steps 9 and 10).

Model 4TM53A

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

Troubleshooting Chart

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/fan guard to keep fan from hitting inside of heater shell. Bend fan guard if necessary
	3. Fan blades bent	3. Replace fan. See *Fan,* page 9
	4. Defective motor	4. Replace motor. See *Motor,* page 8
Heater will not ignite	1. User did not follow installation or operation instructions properly	1. Repeat installation and operation instructions. See *Installation,* page 6 and *Operation,* page 7
	2. No spark at ignitor. To test for spark, follow step 8 under *Ignitor,* page 9. If you see spark at ignitor, have heater serviced by qualified service person. If no spark seen: A) Loose or disconnected ignitor wire B) Wrong spark gap C) Piezo ignitor loose D) Bad ignitor electrode	2. A) Check ignitor wire. Tighten or reattach loose ignitor wire. See Figure 18, page 10 for ignitor wire location B) Set gap between ignitor electrode and target plate to .17" C) Tighten nut holding piezo ignitor to base of heater D) Replace ignitor electrode. See *Ignitor,* page 10
Heater shuts down while running	1. High surrounding air temperature causing thermal limit device to shut down heater	1. This can happen when running heater in temperatures above 85°F. Run heater in cooler temperatures
	2. Restricted air flow	2. Check heater inlet and outlet. Remove any obstructions
	3. Damaged fan	3. Replace fan. See *Fan,* page 9 **⚠WARNING** ***Use only in areas free of high dust content.***
	4. Excessive dust or debris in surrounding area	4. Clean heater. See *Maintenance*, page 8

Dayton®

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 Operations
P.O. Box 3074
1657 Shermer Road
Northbrook, IL 60062-3074 U.S.A.

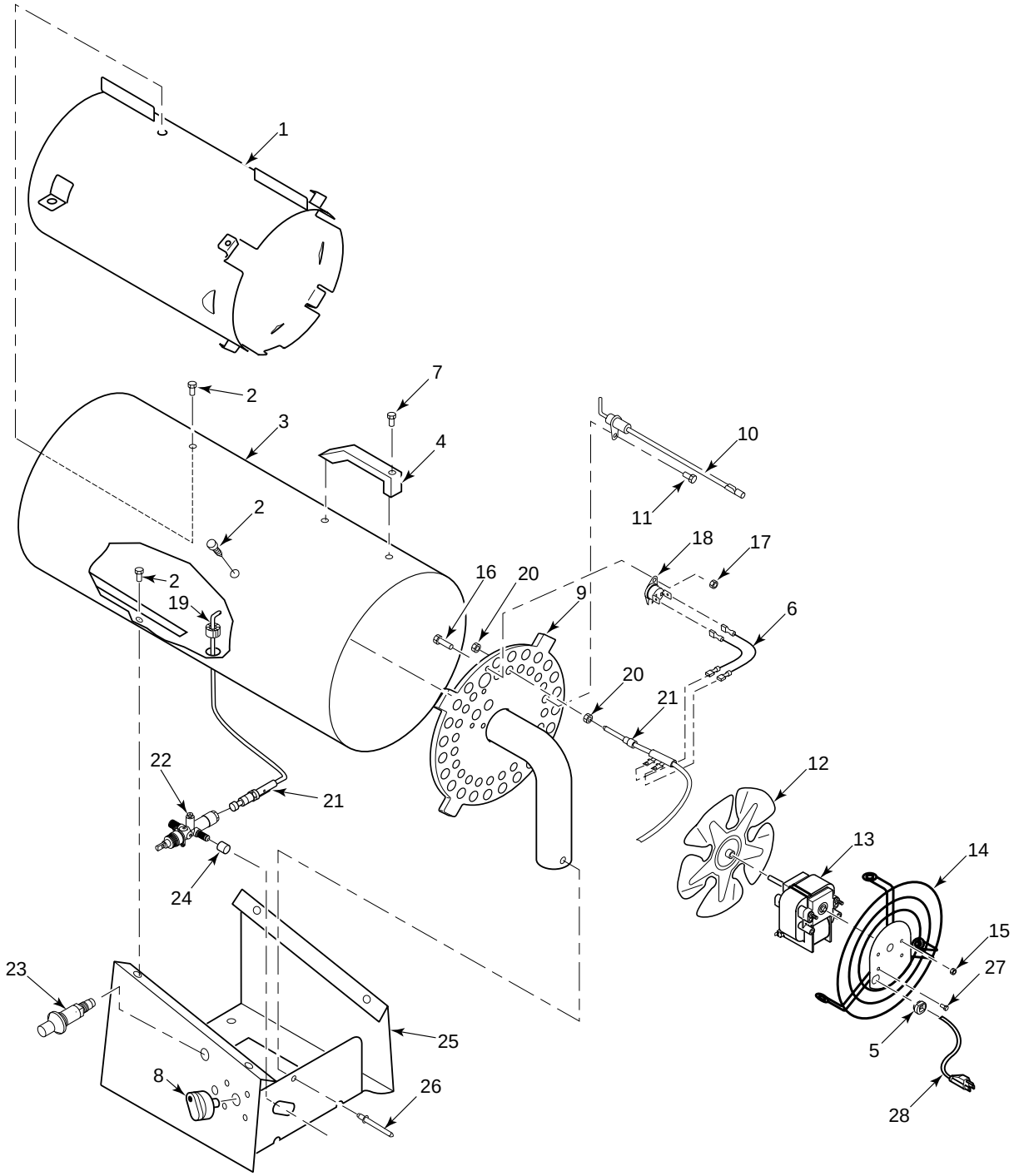

Figure 17 - Repair Parts Illustration

Repair Parts List

Reference Number	Description	Part No.	Quantity
1	104154-01	Inner Shell (Combustion Chamber)	1
2	M11084-26	Hex Tap Screw, #10-16 x 3/8"	7
3	099599-01AZ	Outer Shell	1
4	104786-01	Handle Kit	1
5	M11143-1	Strain Relief Bushing	1
6	101480-12	Wire Assembly	1
7	M11084-27	Hex Tap Screw, #12-14 x 1/2"	3
8	099393-03	Knob, Control	1
9	105341-01	Burner Assembly	1
10	099539-01	Electrode Ignitor	1
11	M11084-38	Hex Tap Screw, #8-18 x 3/8"	1
12	101478-03	Fan	1
13	105332-01	Motor Assembly	1
14	103863-01	Fan Guard	1
15	097384-02	Captive Washer Nut	3
16	097968-05	Hex Screw, #4-40 x 1/2"	2
17	NPC-00C	Hex Nut, #4-40	2
18	101481-04	Thermal Switch	1
19	097776-01	Universal Bushing	1
20	099237-01	Thermocouple Nut	2
21	104146-01	Thermocouple	1
22	103921-01	Valve/Orifice Assembly	1
23	102445-01	Piezo Ignitor	1
24	078978-03	Sleeve Cap	1
25	105335-01	Base Assembly	1
26	099202-02	Steel Rivet, 1/8"	1
27	M12461-14	Hex Screw, 8-32 x 3/8"	2
28	098219-25	Power Supply Cord	1
Δ	099153-13	Tradename Decal	2
Δ	103867-06	General Information Decal	1
Δ	103869-01	Operation Decal	1
Δ	079663-01	LP Warning Decal	1
Δ	099672-01	Notice Decal	1
Δ	LPA3055	Regulator & Hose Assembly	1
Δ	LPA2140	Regulator	1
Δ	LPA4020	Fuel Gas Connector	1

(*) Standard hardware item, available locally.

(Δ) Not shown.

Dayton® Propane Construction Heater

Notes

Model 4TM53A

Notes

Dayton® Propane Construction Heater

LIMITED WARRANTY

DAYTON ONE-YEAR LIMITED WARRANTY. Propane construction gas heater, Model 4TM53A, is 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 by Dayton 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.

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PROMPT DISPOSITION. Dayton will make a good faith effort 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 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 Mfg. Co., 5959 W. Howard St., Niles, IL 60714 U.S.A.

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