

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® Infra-Red Tank Top Heater

Description

Dayton Model 4TM59 is a 10,000 to 15,000 Btu/Hr Infra-Red heater. This heater is portable and easy to use. It operates with any approved 20 lb. propane cylinder. This heater is ideal for outdoor projects, hunting, camping, or emergency uses.

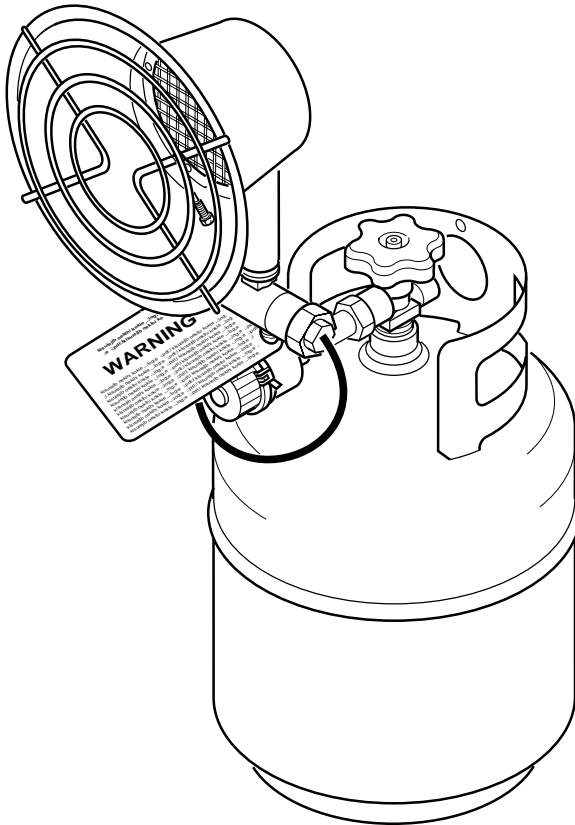


Figure 1 - Model 4TM59

Dayton® Infra-Red Tank Top Heater

Safety Information

Make certain you read and understand all warnings. Do not allow anyone who has not read this manual to operate this heater. Keep this manual for reference. It is your guide to safe and proper operation of this heater.

1. Read and understand this manual before assembling or using this heater. Improper use of this heater can cause serious injury.
2. For outdoor use only. Do not use inside house, camper, tent, vehicle, or any type of unvented or enclosed area.
3. Never operate heater while sleeping or unattended.
4. Minimum heater clearances from combustibles:
Top, Front, and Sides: 3 Ft.
5. Use only in well-vented areas.
6. Use only propane gas set up for vapor withdrawal.
7. Before connecting heater to the propane tank, make sure the heater regulator knob is in the "OFF" position. Always connect and light heater in areas free of open flames.
8. Before each use, check heater for leaks. 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.
9. Check heater for damage before each use. Do not use a damaged heater. Do not alter heater. Keep heater in its original state. Do not use heater if altered.
10. Locate propane tank on a stable and level surface. The heater burner must be at least two feet above the floor. Always attach heater to propane tank in an upright position. Never operate heater on its side or attach to propane tank in a horizontal position. This could lead to dangerous flare-ups or fire.
11. Keep children and animals away from heater.
12. Do not use heater below ground level. Propane is heavier than air. If a leak occurs, propane gas will sink to the lowest possible level. If you smell gas or suspect a leak, shut off the propane tank valve at once and ventilate the area. Do not strike a match or create any flame or electric spark. Find and correct the leak before attempting to light any appliance. If you cannot correct leak, do not tamper with heater. Return heater to nearest authorized service center or to address on back page of this manual, freight prepaid.
13. Do not move or handle a hot or operating heater. Do not attach or remove a hot or operating heater from the propane tank. Severe burns may result.
14. Always remove heater from propane tank after each use. Always store propane tank outdoors. Never store propane tank in an enclosed area. Never store propane tank near high heat, open flame, or where temperatures exceed 120° F.
15. Keep all connections and fittings clean. Make sure the propane tank valve outlet is clean. Check the rubber "O" ring on the heater inlet fuel connector for damage before each use. Replace if worn or damaged.

Model 4TM59

Connecting Heater To Propane Tank

Read and understand all safety information before connecting heater to propane tank.

1. Make sure heater regulator knob is in the "OFF" position.
2. Wrench tighten the fuel connector nut into the propane tank valve (see Figure 2). Turn fuel connector nut counterclockwise to tighten. Threads are left-handed.

▲WARNING *Attach heater in upright position as shown in Figure 2. Never attach heater in a horizontal position. This could lead to dangerous flare-ups or fire.*

3. Open propane tank valve on propane tank slowly.

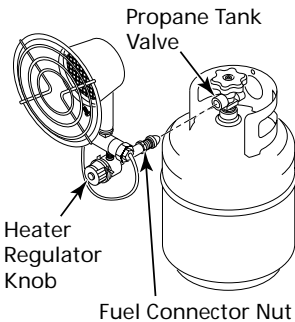


Figure 2 - Connecting Heater to Propane Tank

4. Check all fittings for leaks. Apply a mixture of liquid soap and water to all joints. Bubbles forming show a leak. Correct all leaks at once.

▲WARNING *Never use an open flame to check for a leak.*

5. Always remove heater from propane tank after each use. Do not store heater while attached to propane tank.

To Light Heater

Read and understand all safety information before operating heater.

▲WARNING *Make sure there is no open flame in the area.*

1. Fully open the propane tank valve.
2. Turn the heater regulator knob counterclockwise to the "HI" position.

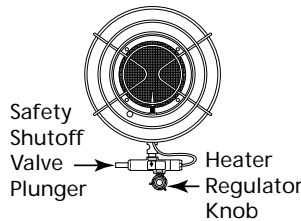


Figure 3 - Safety Shutoff Valve Plunger and Heater Regulator Knob

▲WARNING *Stand to the side of the heater while lighting. Do not stand or have any part of your body in front of heater while lighting.*

3. Locate ignition hole in underside of burner (see Figure 4). Hold a lit match under ignition hole.

▲CAUTION *Do not insert match into air inlet holes in mixing tube.*

Push in the safety shutoff valve plunger (see Figure 4).

▲WARNING *Do not push in safety shutoff valve plunger before inserting lit match.*

Burner should light. Mesh screen on burner glows red when lit. After burner is lit, continue holding in safety shutoff valve plunger (about 10 to 30 seconds) until heater stays lit.

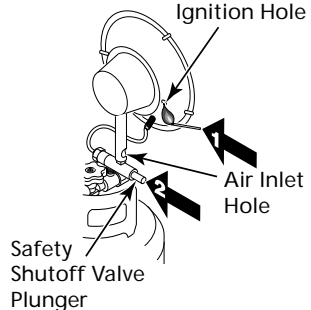


Figure 4 - Lighting Heater

Dayton® Infra-Red Tank Top Heater

To Light Heater (Continued)

4. If the burner does not light within 30 seconds, turn the regulator knob to the "OFF" position. Wait at least two minutes for the gas to dissipate before relighting.
5. If heater will not light after repeated tries, do not attempt to repair heater. Return heater to nearest authorized service center or to address on back page of this manual, freight prepaid.
6. After burner lights, turn the heater regulator knob to the desired heat setting (LOW, MED, or HI).

To Turn Off Heater

1. Tightly close propane tank valve by turning clockwise.
2. Turn the heater regulator knob to the "OFF" position. Wait at least 15 minutes for the heater to cool before handling heater.
3. Always remove the heater from the propane tank after each use. Do not store heater while attached to propane tank. Remove the heater from the propane tank by turning the fuel connector nut clockwise. Always store propane tank outdoors. Never store propane tank in an enclosed area.

For Replacement 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 60065-3074 U.S.A.

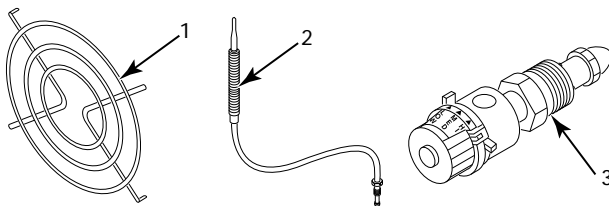


Figure 5 - Replacement Parts Illustration

Replacement Parts List

Ref. No.	Description	Part Number	Qty.
1	Burner Guard	100911-01	1
2	Thermocouple	100886-01	1
3	Regulator with Fuel Gas Connector	LPA2025	1
4	Operation Tag (not shown)	102593-08	1

Heater Information

Btu Output

HI	15,000 Btu/Hr
MED	12,000 Btu/Hr
LOW	10,000 Btu/Hr

Length of Operation

20 lb. Propane Tank 29 hours

Dayton® Infra-Red Tank Top Heater

Limited Warranty

DAYTON ONE-YEAR LIMITED WARRANTY. Propane gas construction gas heater, Model 4TM59, 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 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. Dayton has made a diligent effort to provide product information and illustrate the product 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 "LIMITED WARRANTY" above is made or authorized by Dayton.

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 Dayton attempts to assure that its products comply with such codes, it 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 limitations 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. 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 Electric Mfg. Co., 5959 W. Howard St., Niles, Illinois 60714 U.S.A.