

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 4TM60 is a 8,000 to 24,000 Btu/Hr Infra-Red heater. This heater is portable and easy to use. It has two burner heads that rotate to direct heat where needed. It operates with any approved 20 lb. propane cylinder. This heater is ideal for construction sites, outdoor projects, or farm equipment repairs.

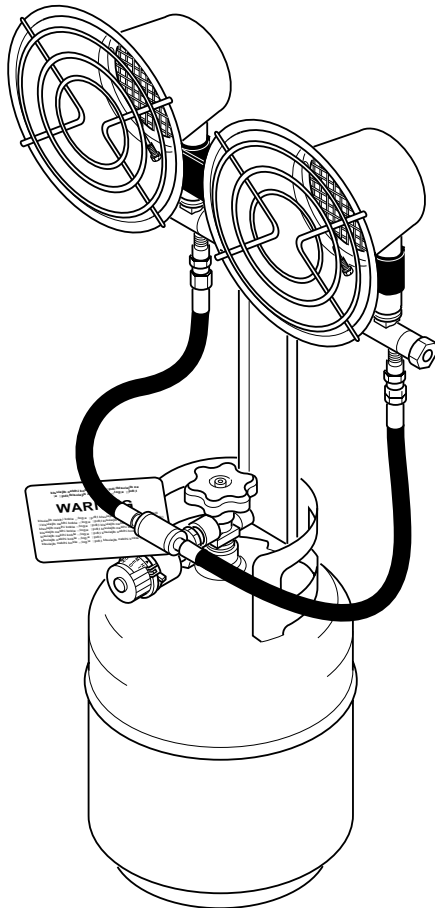


Figure 1 - Model 4TM60

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. Keep children and animals away from heater.
4. Minimum heater clearances from combustibles:
Top and Front: 5 Ft.
Sides and Rear: 3 Ft.
5. Use only in well-vented areas.
6. Use only propane gas set up for vapor withdrawal.
7. Before connecting heater to propane tank, make sure 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 burners 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. Do not use heater in basement or 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 match or create any flame or electric spark. Find and correct 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.
12. Do not move or handle a hot or operating heater. Do not attach or remove a propane tank from a hot or operating heater. Severe burns may result.
13. 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 100°F.
14. Keep all connections and fittings clean. Make sure propane tank valve outlet is clean. Check the "O" ring on the heater inlet fuel connector for damage before each use. Replace if worn or damaged.
15. Do not attempt to light one burner off of the other. Use one match per burner.
16. Do not overlap or point burners at each other.
17. Do not raise burner heads and cover air inlet holes in mixing tube with burner head bracket.
18. Wing nuts and burner heads become very hot during operation. Do not attempt to adjust burner position while heater is operating. Allow 15 minutes to cool.

Model 4TM60

Assembly

1. Place each burner head onto the burner bracket as shown in Figure 2.

CAUTION

The burner

heads should be positioned as far down on the burner bracket as possible. Make sure the air inlet holes in the mixing tube on the burner head are not covered by the burner bracket.

2. Insert two bolts through square holes and then through round holes in burner bracket.
3. Place two flat washers onto bolts. Thread wing nuts onto bolts.
4. Carefully thread mounting bolt into tank collar bracket on the lower portion of the post.

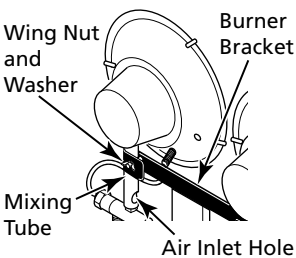


Figure 2 - Attaching Heater to Bracket

Connecting Heater To Propane Tank

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

1. Place heater onto tank with tank collar bracket over tank collar (see Figure 3). Mounting bolt should be positioned to the outside of tank collar.
2. Firmly secure to tank by hand-tighten mounting bolt. Do not over-tighten mounting bolt.
3. Make sure heater regulator knob is in the "OFF" position.
4. Wrench tighten the fuel connector nut into the propane tank valve with both gas hose fittings in a horizontal position (see Figure 4). Turn fuel connector nut counterclockwise to tighten. Threads are left-handed.

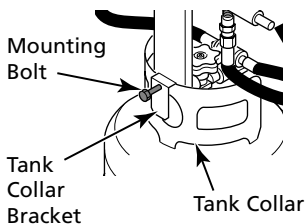


Figure 3 - Assembling Heater

5. Connect both hoses to inlet connector (see Figure 4). Tighten firmly using wrench. **Make sure both hoses are connected before opening tank valve.**
6. Open propane tank valve slowly.
7. 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.

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

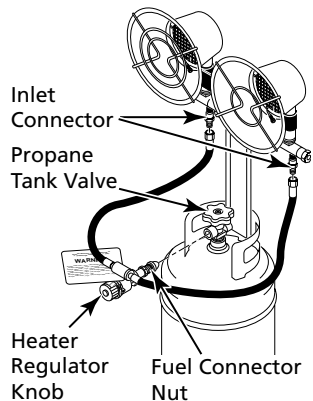


Figure 4 - Connecting Heater to Propane Tank

Dayton® Infra-Red Tank Top Heater

To Light Heater

Read and understand all safety information before operating heater.

1. Adjust burners to desired position by loosening wing nuts on back of burner head bracket.

▲WARNING *Wing nuts and burner heads become very hot during operation. Do not attempt to adjust burner position while heater is operating. Allow 15 minutes to cool.*

▲WARNING *Do not raise burner heads and cover air inlet holes in mixing tube with burner bracket. Firmly tighten wing nuts to secure burners. Do not overlap or direct burners at each other.*

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

2. Fully open the propane tank valve.

3. Turn heater regulator knob counterclockwise to the "HI" position (see Figure 5).

▲WARNING *Stand to the side of unit while lighting. Do not stand or have any part of your body over or in front of heater while lighting. Do not attempt to light one burner off of the other. Use one match per burner.*

3. Locate ignition hole in underside of burner (see Figure 6). 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 6).*

▲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.

4. If the burner does not light within 30 seconds, turn regulator knob to the "OFF" position. Wait at least two minutes for the gas to dissipate before relighting.

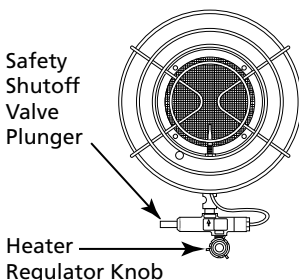


Figure 5 - Safety Shutoff Valve Plunger and Heater Regulator Knob (Front View)

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 panel of this manual, freight prepaid.
6. After burner lights, turn the heater regulator knob to the desired heat setting (LOW, MED, or HI).
7. Light both burners when maximum heat is needed. Use one burner to conserve fuel. Repeat above steps to light second burner.

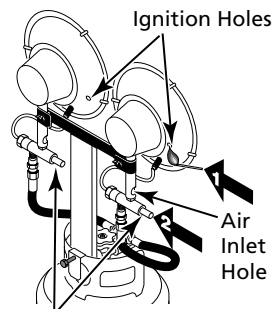


Figure 6 - Lighting Heater (Rear View)

Figure 6 - Lighting Heater (Rear View)

Model 4TM60

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. 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.

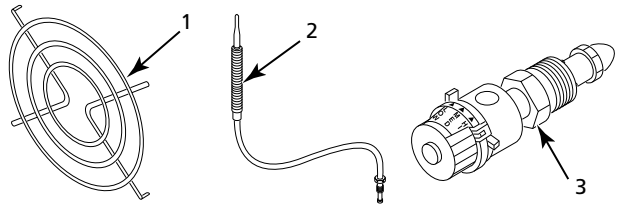


Figure 5 - Replacement Parts Illustration

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 Input | One Burner | Two Burners |
|-----------|---------------|---------------|
| HI | 12,000 Btu/Hr | 24,000 Btu/Hr |
| MED | 10,000 Btu/Hr | 20,000 Btu/Hr |
| LOW | 8,000 Btu/Hr | 16,000 Btu/Hr |

Length of Operation

| | | |
|---------------------|----------|----------|
| 20 lb. Propane Tank | 36 hours | 18 hours |
|---------------------|----------|----------|

Dayton® Infra-Red Tank Top Heater

Limited Warranty

DAYTON ONE-YEAR LIMITED WARRANTY. Propane gas construction gas heater, Model 4TM60, 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.