

ASSEMBLY and INSTALLATION INSTRUCTIONS



Gas Conversion Kit Spark Ignition Radiant Brooders

View these instructions online at www.lbwhite.com

Kits Description	Kit No.
I17-LP, SI, Air Housing	572746
I17-NG, SI, Air Housing	572748
I40-LP, SI, Air Housing	573643
I40-NG, SI, Air Housing	573644
I40-SI, LP To NG	574039
I40-SI, NG to LP	574040

Tools required:

For I-17:

- Phillips screwdriver

For I-40:

- Flat head screwdriver or ¼ in. nut driver
- Small handheld torch
- Adjustable wrench

For BOTH:

- Small handheld torch
- Adjustable wrench

Qualifications for installation:

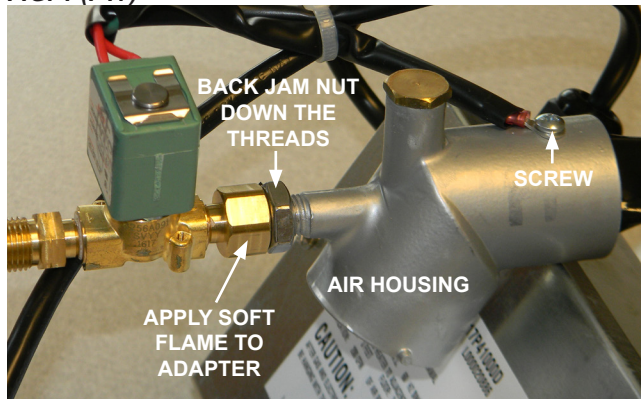
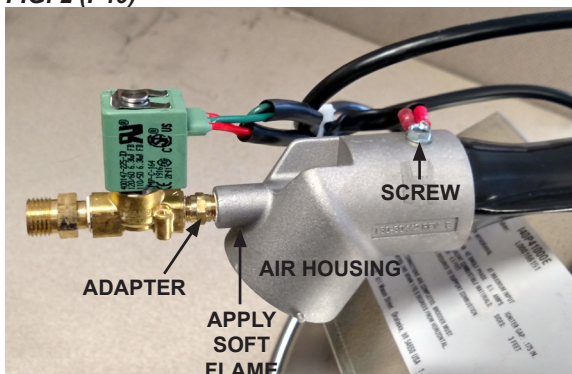
- You must be able to read and understand all instructions provided with the kit.
- You must have sufficient experience to install the kit.
- You must be able to test the brooder for proper operation.

Preparation:

1. Close the fuel supply to the brooders.
2. Disconnect the brooder's electrical supply.
3. Remove the filter and sleeve.
4. Disconnect the gas hose from the heater.
5. Clean the heater and filter according to the Owner's Manual.
6. Remove the screw that holds the electrical wiring to the air housing. See Fig. 1 (I-17) or Fig. 2 (I-40).

Removal:

1. I-17 brooders: Back the jam nut completely down the threads of the air housing.
2. Apply a small soft flame to the area of the I-17 or I-40 as shown in Fig. 1 or 2. This will soften the Loctite thread sealant which was applied to the air housing's threads.

FIG. 1 (I-17)**FIG. 2 (I-40)**

3. Both models: Use the wrench at the adapter and remove the solenoid valve with adapter from the air housing.
4. Discard the original air housing assembly.
5. Install the kit components:
 - I-17 brooders:
 - Apply Loctite to the first four threads of the air housing.
 - I40 brooders
 - Apply Loctite the first four threads of the adapter.
6. Regardless of model, thread the solenoid valve with adapter to the air housing. Turn the assembly four full turns and then as needed to ensure the solenoid is in an upright position.
7. I-17 brooders: Thread the jam nut completely up to the adapter and secure in place with a wrench.

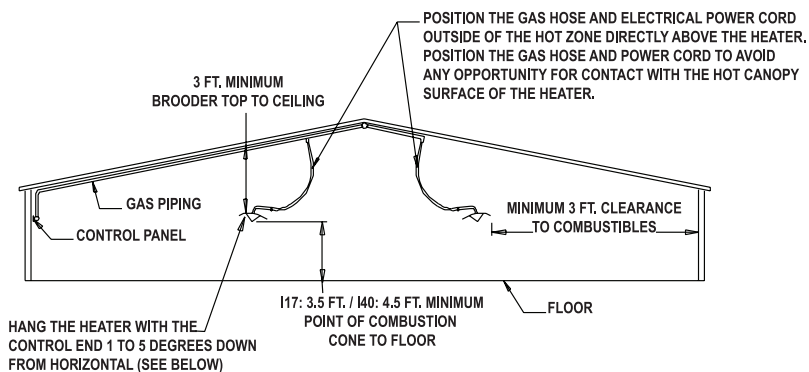
Completion

1. Clean the control box cover and apply the kit's data plate over the existing data plate.
2. Install the dust filter.
3. Connect the gas hose to the heater.
4. Ensure the proper hanging configuration as shown in Fig. 3 after connecting the gas hose
5. Connect the heater to its electrical supply.
6. Open the fuel supply valve to the heater and check for gas leaks using only approved leak detectors.
7. Light the heaters and check for proper operation.
8. Save these instructions for future reference.

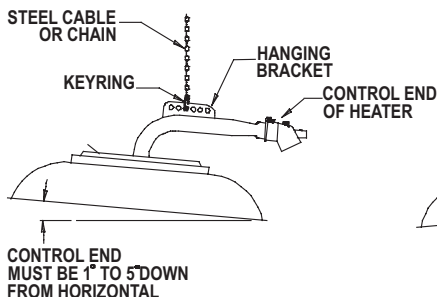
ATTENTION

- Ensure the brooder is hung so its control is positioned 10 to 50 down from horizontal after the gas supply hose is attached. This allows proper venting of the brooder and prevents potential heat damage to the filter.
- Repositioning of the hanging bracket's key ring may be required to achieve proper hanging position.

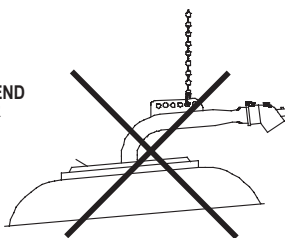
FIG. 3 **INSTALLATION LAYOUT**
FOR SAFE CLEARANCES



THIS



NOT THIS



Service

Contact your local L.B. White dealer for replacement parts and service. You may also call the L.B. White Co., Inc. at U.S. & Canada: 1-800-345-7200, Overseas: 001-608-783-5691 assistance, or email us at customerservice@lbwhite.com.

Be sure that you have your heater model number and configuration number when calling.



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