

INSTALLATION INSTRUCTIONS



Gas Conversion Kit Electronic Ignition Heaters

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Kit Contents:

DESCRIPTION	QTY.
Instructions	1
Burner orifice	1
Dataplate	1
Honeywell conversion kit	1
Pipe thread compound	1
Label, ATTENTION	1

Tools required:

- Standard philips screw driver
- 3/16 in. allen key
- 2 -1/8 in. NPT pressure barb fittings
- 2 - Low pressure gas gauges (0-7.5 kPa)
- Adjustable wrench
- Pipe wrench
- Plier

Qualifications for installation of the kit:

- You must read and understand these instructions before beginning the conversion.
- You must be properly trained and have sufficient experience to install the gas conversion kit and test the heater for proper operation.
- Ensure the installation's gas type and pressure conforms to the gas type and pressure requirements on the dataplate within the conversion kit.

Discussion:

The following instructions are common for use when converting fuel gas for electronic ignition heaters.

A. Initial Preparation

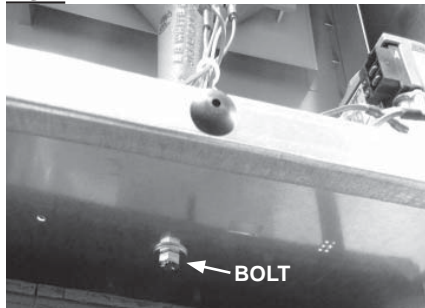
1. Close the main gas supply valve to the heater, and disconnect the heater's electrical supply.
2. Remove the gas hose and sediment trap from the inlet of the gas control valve.
3. Open the burner end door.
4. Disconnect the gas control valve's wires. See Fig. 1.

FIG. 1



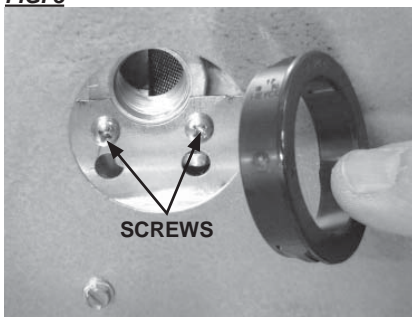
5. Remove the burner retaining bolt from beneath the heater's base. See Fig. 2.

FIG. 2



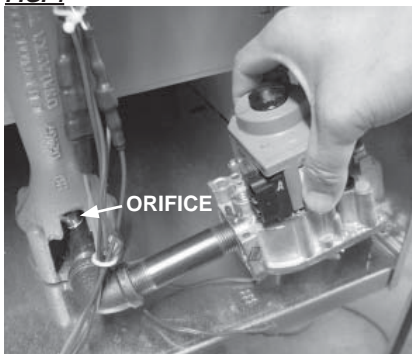
6. If needed, remove the plastic bushing out of the case. Remove the screws from the gas valve bracket. See Fig. 3.

FIG. 3



7. Lift and pivot the valve and manifold assembly as needed to remove it from the heater. See Fig. 4.

FIG. 4

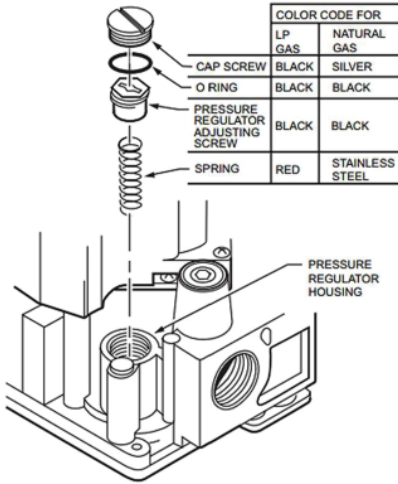


8. Replace the existing burner orifice with the orifice from the kit. Apply a small amount of pipe thread compound on threads, tightening securely.

B. Converting the Gas Control Valve

1. Remove the regulator cap and pressure regulating adjusting screw. Remove the existing spring from the gas control valve. Install the spring and adjusting screw from the kit. See Fig. 5.

FIG. 5

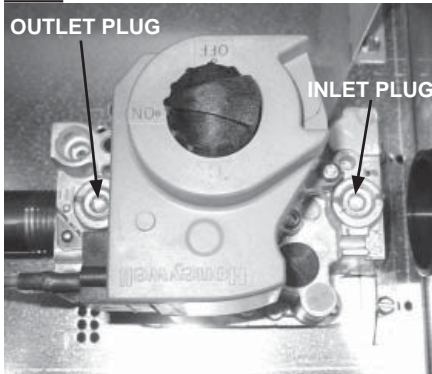


- Turn the adjusting screw clockwise 10 complete turns.
- Install the converted assembly back into the heater.
- Reconnect the gas control valve's wiring.

C. Setting Gas Pressures

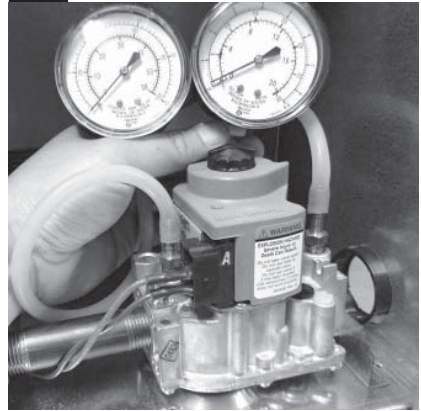
- Using the 3/16 allen key, remove the pressure tap plugs at inlet and outlet of gas control valve. See Fig. 6.

FIG. 6



- Securely thread the 1/8 in NPT barbed fittings into the inlet and outlet pressure ports of the gas control valve.
- Securely connect pressure gauges capable of measuring up to 7.5 kPa gauges at both locations. See Fig. 7.

FIG. 7



- Reconnect the sediment trap and gas hose to the heater. Use pipe thread compound.
- Open the gas supply valve to the heater.
- Leak test the installation using approved leak detectors. Eliminate any gas leaks at threaded connections before proceeding.
- Reconnect the heater's electrical supply and start the heater.
- Refer to the dataplate supplied with the conversion kit. Ensure pressures are set according to required specifications given on the dataplate.

- Observe the pressure read at the inlet and outlet of the gas control valve.
- The pressure read at the inlet of the gas control valve is Inlet Pressure. The pressure read at the outlet of the gas control valve is Burner Manifold Pressure.
- Verify proper inlet pressure. If the inlet pressure to the gas control valve does not agree with the dataplate, then the regulator controlling gas pressure to the heater requires adjustment. Proceed after proper inlet pressure has been established.
- Verify proper burner manifold pressure. Turn the regulator adjusting screw CW (increase) or CCW (decrease) to adjust pressure as needed.

D. Completion

1. Install the O-ring into the groove on the regulator cap screw as shown on Fig. 8. Tighten cap screw on to the gas control valve.

FIG. 8

2. Close the heater's main gas supply valve.
3. Remove gauges and barb fittings. Install pressure tap plugs, tightening securely.
4. Apply the labels included in the kit to the heater. Clean the areas to allow adhesion.

- Apply dataplate from the kit over the existing dataplate.
- Apply language specific ATTENTION label to the gas control valve in the dotted area as shown in Fig. 9.

FIG. 9

5. Open the heater's main gas supply valve. Close and latch the burner access door.
6. Set thermostat to desired temperature.

Service

Contact your local L.B. White dealer for replacement parts and service. You may also call the L.B. White Company, LLC at 1-800-345-7200, for 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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150-131029 REV.A



气体转换套件 通电点火育雏取暖器

通过 www.lbwhite.com 在线查看说明

套件包含：

描述	数量
说明	1
燃烧器节流孔	1
铭牌	1
霍尼韦尔转换套件	1
管道螺纹油	1
标签、警示	1

必要工具：

- 标准飞利浦螺丝刀
- 3/16 英寸的内六角扳手
- 2 个 1/8 英寸的 NPT 压力倒钩装置
- 2 个低压气压表 (0-7.5 千帕)
- 活动扳手
- 管扳手
- 钳子

安装此套件的资质要求：

- 开始转换之前，您必须阅读并且理解这些说明。
- 您必须接受过相关培训并且具备足够的气体转换套件安装经验，同时对育雏取暖器进行测试，以保证其正常运行。
- 确保安装的气体类型和压力符合转换套件内铭牌上的气体类型和压力要求。

讨论：

当通电点火的育雏取暖器需要转化燃气类型时，常用下列说明。

A. 初始准备

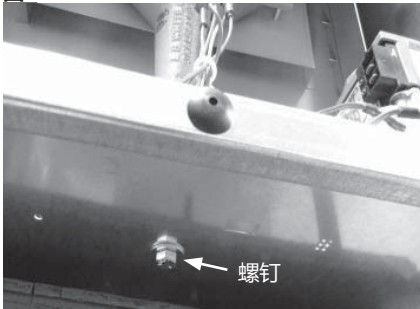
1. 关闭育雏取暖器的主供气阀门，并切断育雏取暖器电源。
2. 从燃气控制阀入口移除燃气软管和沉积物捕集器。
3. 打开燃烧器端门。
4. 断开燃气控制阀的线路连接。
见图 1。

图1



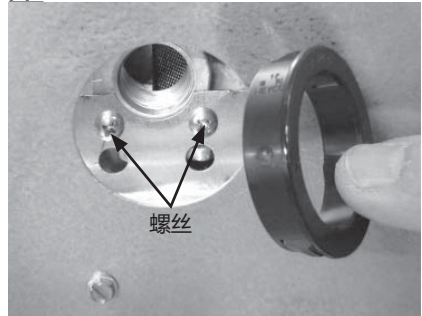
5. 从育雏取暖器基座底部拆除燃烧器固定螺栓。见图 2。

图2



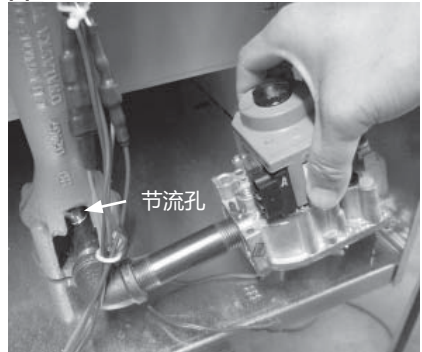
6. 如有需要，将塑料衬套从基座上拆除。拆除燃气阀门支架上的螺丝。见图 3。

图3



7. 如有需要，抬起并旋转阀门和歧管，将其从育雏取暖器上拆除。见图 4。

图4

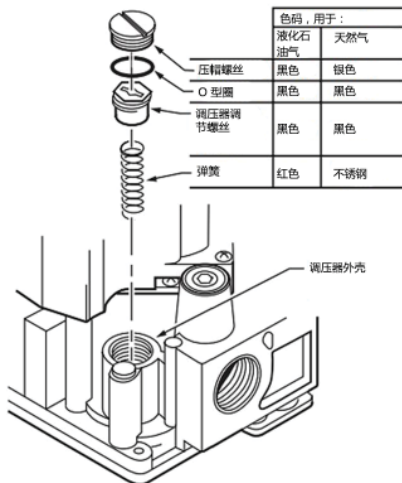


8. 使用替换套件的节流孔替代现有燃烧器节流孔。在螺纹上涂抹少量管道螺纹油，然后拧紧。

B. 转换燃气控制阀

1. 拆除调节器盖帽和调压器调节螺丝。从燃气控制阀上移出现有弹簧。安装套件中提供的弹簧和调节螺丝。见图 5。

图5

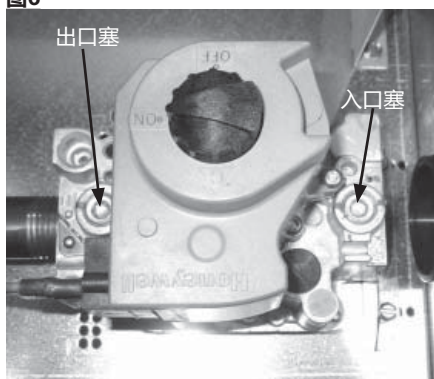


2. 顺时针旋转调节螺丝 10 圈。
3. 将转换装置重新安装至育雏取暖器。
4. 重新连接燃气控制阀的线路。

C. 设置气压

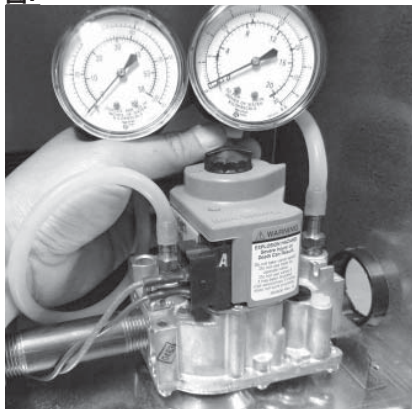
1. 使用 3/16 内六角扳手，拆除燃气控制阀入口和出口的压力计接口插塞。见图 6。

图6



2. 将 1/8 英寸的 NPT 倒钩装置牢固拧至燃气控制阀入口和出口压力端口。
3. 稳固连接能够在两个位置测量高达 7.5 千帕的压力表。见图 7。

图7



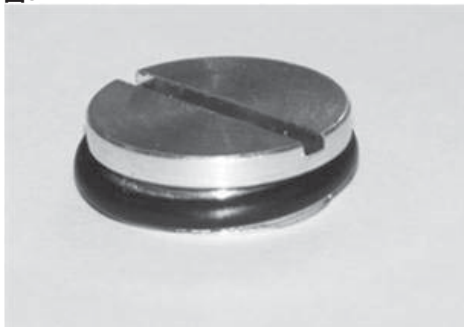
4. 将沉积物捕集器和软管重新连接至育雏取暖器。使用管道纹油。
5. 打开连接至育雏取暖器的供气阀。
6. 使用经过批准的泄露检测器，对安装进行泄露测试。进行操作之前，排查螺纹连接处的气体泄漏隐患。
7. 重新连接育雏取暖器电源并且开启。
8. 参考转换套件配套的铭牌。确保根据铭牌上给出的规格设定压力。

- 观察燃气制阀入口和出口的压力读数。
- 燃气控制阀入口的压力读数为入口压力。燃气控制阀出口的压力读数为燃烧器歧管压力。
- 确认恰当的入口压力。如果燃气控制阀的入口压力与铭牌上的数值不一致，则需对育雏取暖器的调压阀控制气压进行校准。设定正确的入口压力之后，继续。
- 确认恰当的歧管压力。顺时针（增加）或逆时针（减小）扭转调节器调节螺丝，按需要调节压力。

D.完成

- 1.如图 8 所示将 O 型圈安装在调节器盖帽螺丝的凹槽。拧紧燃气控制阀上的盖帽螺丝。

图8



- 2.关闭育雏取暖器的主供气阀。
- 3.拆除压力计和倒钩装置。安装压力计接口插塞，稳固拧紧。
- 4.将套件中配套的标签贴在育雏取暖器上。清洁该区域，以确保牢固粘贴。
 - 将套件中的铭牌覆盖在现有铭牌之上。
 - 在图 9 所示的虚线区域，将特定语言的警示标签粘贴在燃气控制阀上。

图9



- 5.打开育雏取暖器的主供气阀。关闭并且关闭燃烧器端门。
- 6.将温控器设置为要求的温度。

检修

联系您当地的 L.B.White，获取更换零部件和检修服务。您可以通过拨打 1-800-345-7200 或者发送电子邮件至 customerservice@lbwhite.com，获得帮助。

确保您在打电话时，知道您的育雏取暖器型号和配置序号。



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