



Burner Reconditioning Reminder E - Newsletter

If it's been three or more years since your burner has been reconditioned or if you're having any operating issues, you should send it in. The spring and summer months are the slowest at INOV8, so we encourage you to send the burner in during our slow time. We offer discounts to help make this happen.

Reconditioning

It takes several days to perform all the tasks on the burner as they are completely disassembled and put through various cleaning efforts. The electrical components and motors cannot be put through the parts washer so are cleaned by hand. The burner housing, air tube and small components are put through the parts washer and dried. If needed the burner housing and other parts may be painted to restore their appearance. Based on the level of desired reconditioning, the burner is reassembled with original and/or new parts and put on a test stand. In the standard reconditioning these parts are automatically replaced: the nozzle, O-rings, needle, pump shaft, gear and seal, vapor eliminator filter and to a larger burner blower. If the original parts still function they will be returned with the burner. The burner is tested on a cycle timer for a couple hours or longer if performance issues are found. Components that fail during testing are changed out. The failed components are discarded.

Updates

It's always a good opportunity to update the burner to the latest technology during a reconditioning. One of the most popular updates is replacing the bi-metal temperature sensors with a digital temperature control (DTC). The DTC does not have contacts that stick and its easy to see the current oil temperature and to make adjustments. Another popular update is converting the main burner electrical harness to a quick-disconnect. We change out the burner harness and send a flange to be installed into the burner junction box. This update eliminates the need to do any wiring when later removing the burner.

Shipping & Payment

Please send your burner when done using it at the end of the heating season. If payment accompanies the burner the work is discounted 8%, 6%, 4% and 2% starting in May and ending in August. Discounts are based on the date of shipping shown on the postage. Send in the card below with your burner, selecting which level of service you prefer. We will also fax or email full details and a form upon request.

When sending in your burner be sure to protect it from shipping damage and oil leaks. Be sure to include a fax number or email address with the burner as the service report will be sent when the burner is completed detailing all that was done. We also add comments if we observe conditions that indicate problems in the set-up or operation of the burner. All burners are returned "prepaid with a credit card, Paypal, personal check or wire transfer". This has nothing to do with your credit but is simply our policy for burner reconditionings. We accept VISA/Master Card and Discover. You are welcome to contact one of our technicians if you have questions or special requests regarding your burner. *Send burners via US Mail, UPS, Spee Dee or FedEx to 67 Kraft Street, La Crosse, WI 54603. Insure for about \$500 against damage.* Contact us at sales@inov8-intl.com or 608-785-2879 with questions on any details.

Back by popular demand is an update plan for burners older than eight years. For a flat fee of \$875 we do full reconditioning but exchange your old module for a new one. This gives you a larger more durable heating element (from 1/4" to 3/8"), the newer style oil solenoids made by Delta, and the new Digital Temperature Control. We will use the components that are still in good working order from your old module.

The burner with the new module is tested and factory set as normal and any failed components are replaced.

If a module with all new components is preferred, this is available for \$975. By comparison new modules sell for \$1,500 and new burners are \$3,235.

Burner Reconditioning Response Form

Please note the following rebuild options have changed to reflect increased prices and a limited-offer Deluxe Option to replace old-style modules. Completely new modules are \$1,500, so the Deluxe Option represents a great value. Please check your preference & return this form with your burner.

<p>Standard Rebuild includes complete disassembly, cleaning, inspection, rebuild, and replacing of these parts: filter, o-rings, washers, needle, nozzle & spinner, pump rebuild, larger blower wheel, testing on proper fuel and setting to factory specs. This is recommended for burners one to three years or up to 5,000 hours.</p>	<p>\$475</p>
<p>Standard Plus Rebuild includes everything in the standard option, plus replacing the heating element, Bimba cylinder, and flame retention head. This is recommended for burners four to six years of age or up to 10,000 hours.</p>	<p>\$625</p>
<p>Deluxe Update includes providing a new steel module block, and the following: a new 3/8" 800 watt heating element, Bimba cylinder, needle and nozzle, flame retention head, solenoids, new oil lines, a module cover, the pump rebuilt, filter, and updating to digital temperature control. Remaining components will be transferred from your old module onto the new one. This is recommended for burners that are eight years or older. Modules with all new components is \$975 (for a limited time).</p>	<p>\$875 or \$975</p>

Contact Name _____ Phone _____ Date _____

Address _____ Furnace or Boiler _____ BTU _____

HOT OFF THE PRESS

INOV8 & KingBuilt

The owners of INOV8 along with Ryan Bechard of KingBuilt are pleased to announce a cooperative agreement that gives INOV8 the exclusive right to manufacture KingBuilt heating systems. INOV8 will also provide support for existing KingBuilt heating systems.

Kingbuilt's patent covers preheating waste oil with water rather than direct electric heat. This method eliminates any coking in oil passages—a common problem in waste oil heaters.

Now the two most unique and patented methods of preheating oil for energy efficient waste oil burning have come together to offer more options for utilizing your available petroleum and vegetable liquid waste. INOV8 is also adapting the KingBuilt burner to fit onto the INOV8 furnace for those who want hot air applications.

BURNER UPGRADES

INOV8 also offers reconditioning for Kingbuilt burners on time & material basis and two levels of burner upgrades:

1. The **airtube assembly** bolts onto your existing burner with a new airtube, brass heat exchanger, air & oil solenoids, electrodes, nozzle and air turbine. This sells for **\$1,250**.
2. The **full burner assembly** replaces the entire burner with everything on the airtube with a new burner, Beckett control, and related parts. It does not include the oil or water systems. This sells for **\$1,825**.

CALL 608-785-2879 FOR DETAILS!

AG OIL PRESS

INOV8 will also have access to a new and exciting product line from Kingbuilt's sister company, Ag Oil Press which has developed an oil press for those who desire to produce their own plant based oil for bio-fuels, culinary cooking or resale. The Cold Oil Press is engineered to be reliable, durable, compact, efficient and economical. Complements to the cold-press oil are two important items: the seed cleaner and the centrifuge. More details can be found at: www.agoilpress.com or by calling 1-877-OILPRESS.

This Oil Press extracts oil from all these seed crops producing pressed meal and oil:

- Soybeans
- Sunflower seeds
- Canola seed
- Sesame seed
- Linseed
- Flaxseed
- Peanuts
- Mustard seed
- Camelina
- Many more...



Pressed meal is great good source for live-stock or is the perfect pellet fuel.



Oil Extraction—
Produces 80-110 gallons per acres to convert oil to biodiesel or commercial & home



The control panel in the right photo shows the PLC and controls that allow this burner to use any available liquid fuel. Easy to use fuel selection switches, lights and the LED readout indicate the burner condition at all times. This can be used on furnaces, boilers water heaters and INOV8's waste water evaporator for great energy savings and reliability.

Gas-Oil Combination Burner for Energy Savings

With the high cost of heating, biofuels, alternative, sustainable, renewable, and high efficiency products remain popular. Those terms are just different ways to say the same thing - that we're all interested in ways to save energy costs using any available fuel. The good news is the continued interest is generating a *New Age* of heating solutions. INOV8 continues to move forward with developing energy saving products, our latest is a fully listed combination burner for clean and waste oil, and natural or propane gas. This *Gas-Oil (G-Series) Burner* is able to switch automatically between fuels sensing a loss of oil and reverting to gas for no loss of heat. Developed for the restaurant industry, customers have found it provides a great solution in the biofuel and manufacturing and automotive industries—basically any business which wants to burn waste oil but needs a reliable backup and fuel flexibility.

A fuel selection switch allows the user to burn gas (propane or natural) only, or oil only (waste or new, petroleum or non-petroleum), or both fuels at the same time. This setting is helpful to burn oil that contains water or has low BTU value or there isn't enough oil.

The gas-oil burners range in size from 175,000 to 900,000 BTUS per hour and are fully certified to all United States and Canadian safety standards for gas burners and clean oil, and when paired with furnaces to all waste oil burning standards. We've sold these burners for replacement on existing furnaces and boilers, on INOV8 waste oil burning furnace model F240, on 12 sizes of Buderus boilers and on three sizes of INOV8 waste water evaporators.

East coast customers have installed the gas-oil burners on existing heaters to allow their use of gas or fuel oil, whichever fuel is less expensive. Three years ago Karl of NY installed a model G200 on his business furnace and said he saved enough in the first year of operation to cover the cost of the burner.

Call or email sales@inov8-intl.com to see how INOV8 can help you too save energy costs.