

# HEAT EXCHANGER RETROFIT KIT INSTRUCTIONS

Kit #'s 550002358, 550002359,  
550002360, 550002361, 550002362

Kit installation shall be completed by qualified agency.

## ⚠ WARNING

Fire, explosion, asphyxiation and electrical shock hazard. Improper installation could result in death or serious injury. Read this instruction and understand all requirements, including requirements of authority having jurisdiction, before beginning installation. Installation not complete until appliance operation verified per Installation, Operation & Maintenance Manual provided with boiler.

Original heat exchanger for boiler is no longer available, it is replaced by a new block ("B"). Install parts listed to maintain boiler operation.

## ⚠ WARNING

Asphyxiation hazard. Do not replace flueway baffles in replacement heat exchanger (B). Replacement of flueway baffles could result in death or serious injury.

Follow instructions TO TURN OFF GAS TO APPLIANCE found on Operating Instructions label on boiler or in Installation, Operation & Maintenance Manual. Verify all electrical power to boiler is turned off.

**Do not replace flueway baffles in replacement heat exchanger ("B").** See Figure 6.

## ⚠ WARNING

Electrical shock hazard. Turn OFF electrical power supply at service panel.

2 and some 3 section models do not require use of replacement parts. See Table 1.

## ⚠ WARNING

Explosion hazard. Lockout/tagout gas supply at gas meter or other location external to boiler.

- Attach included label to side of boiler near nameplate for future reference.
- New Label is provided to indicate heat exchanger model change to "B".
- Bracket is provided to mount rollout switch in new location on models indicated in Table 1 only. Rollout switch has not changed only relocated. See Figure 2 page 2, and Template page 7.
- Spark pilot wire shield applies to units using "B" series block only. See Figure 5 page 3, and Template page 5.

## ⚠ WARNING

Burn hazard. Verify heat exchanger has cooled or use appropriate personal protection equipment before removing heat exchanger.

**Table 1 - Changes to DVB, ODVB, CDVB**

Input (Mbh)	50	75	100	125	150	175	200
Sections	2	3	4		5		
Label				✓	✓	✓	✓
Replace Pilot and Gas Valve Wire Routing				✓	✓	✓	✓
Relocate Flame Rollout Switch				✓	✓		
Replace Burner Door					✓	✓	✓
New Spark Pilot Shield				✓	✓	✓	✓
Remove Flue Baffles	✓	✓	✓	✓	✓	✓	✓

# HEAT EXCHANGER REPLACEMENT KIT INSTRUCTIONS

## **⚠ WARNING**

Asphyxiation hazard. Do not replace flueway baffles in replacement heat exchanger (B). Failure to follow these instructions could result in death or serious injury.

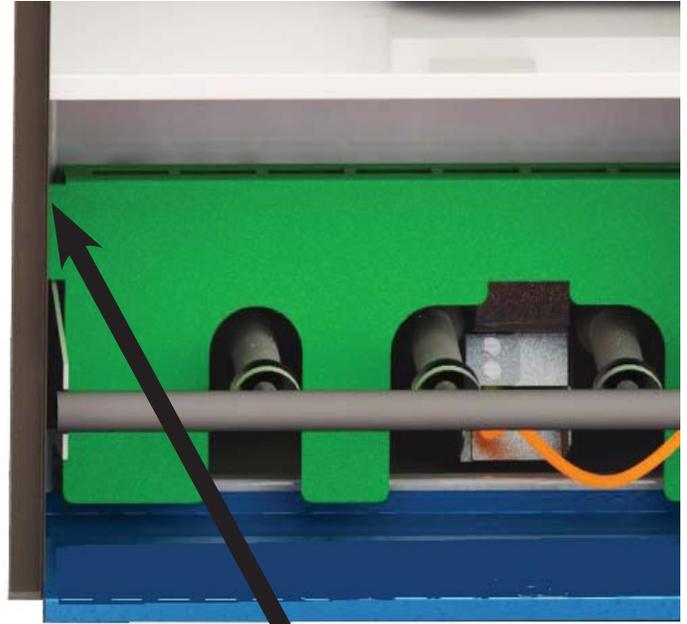
1. **DO NOT** replace flueway baffles in replacement heat exchanger ("B"). See Figure 6.

## **⚠ WARNING**

Asphyxiation hazard. Replace burner door with replacement heat exchanger where provided. Discard original burner door. Failure to follow these instructions could result in death or serious injury.

2. Replace Burner Door. See Figure 1.
  - Replacement Burner Door is required on sizes indicated in Table 1.
  - Discard original burner door to prevent reuse.

Figure 1 - Replacement Burner Door with Tabs



Burner door tabs are positioned on top of manifold bracket, 2 sides.

3. Relocated Flame Rollout Switch requires relocation with burner door replacement, reducing potential for nuisance shut downs. See Figure 2.
  - Label all wires for reference before disassembly.

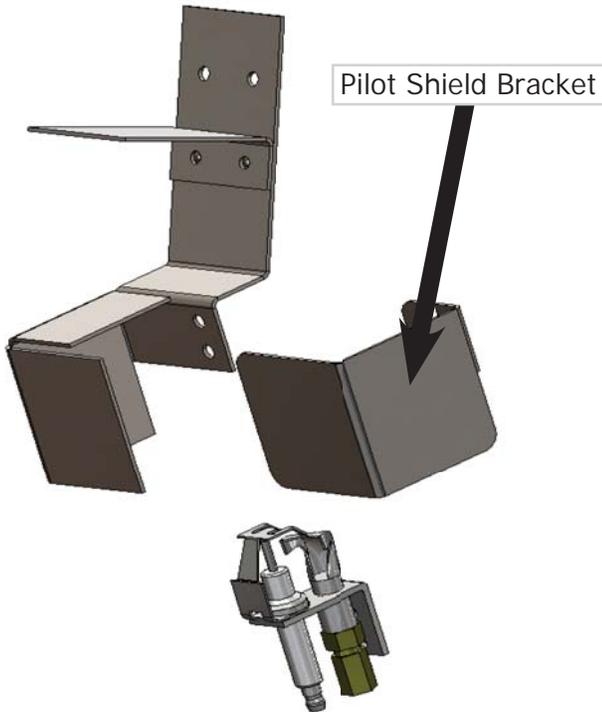
Figure 2 - Replacement Flame Rollout Switch Bracket



4 Section Unit, Relocated Flame Rollout Switch Bracket

# HEAT EXCHANGER REPLACEMENT KIT INSTRUCTIONS

Figure 3 - Pilot Shield Bracket



4. Pilot Shielding Bracket on Spark Ignition Models is modified with addition of Temperature Shield. Applies to 4 & 5 section models.
  - Attach temperature shield to pilot bracket use same screws used to attach spark igniter. See Figure 4.
5. Relocation of gas valve and spark wiring to reduce potential for wire chafing is required on sizes indicated in Table 1. See Figure 5.
  - Templates are provided for relocation of wiring. See pages 5 and 7.

Figure 4 - Pilot Shield Location

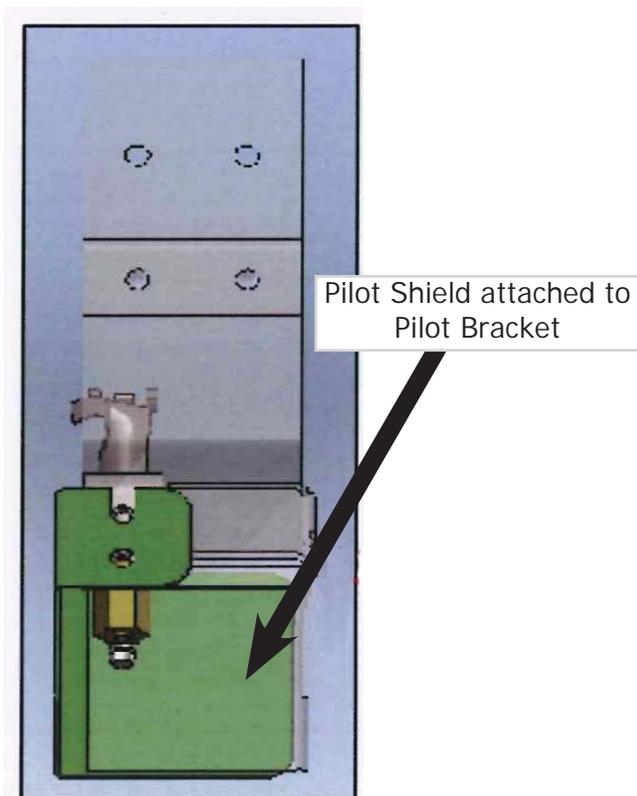
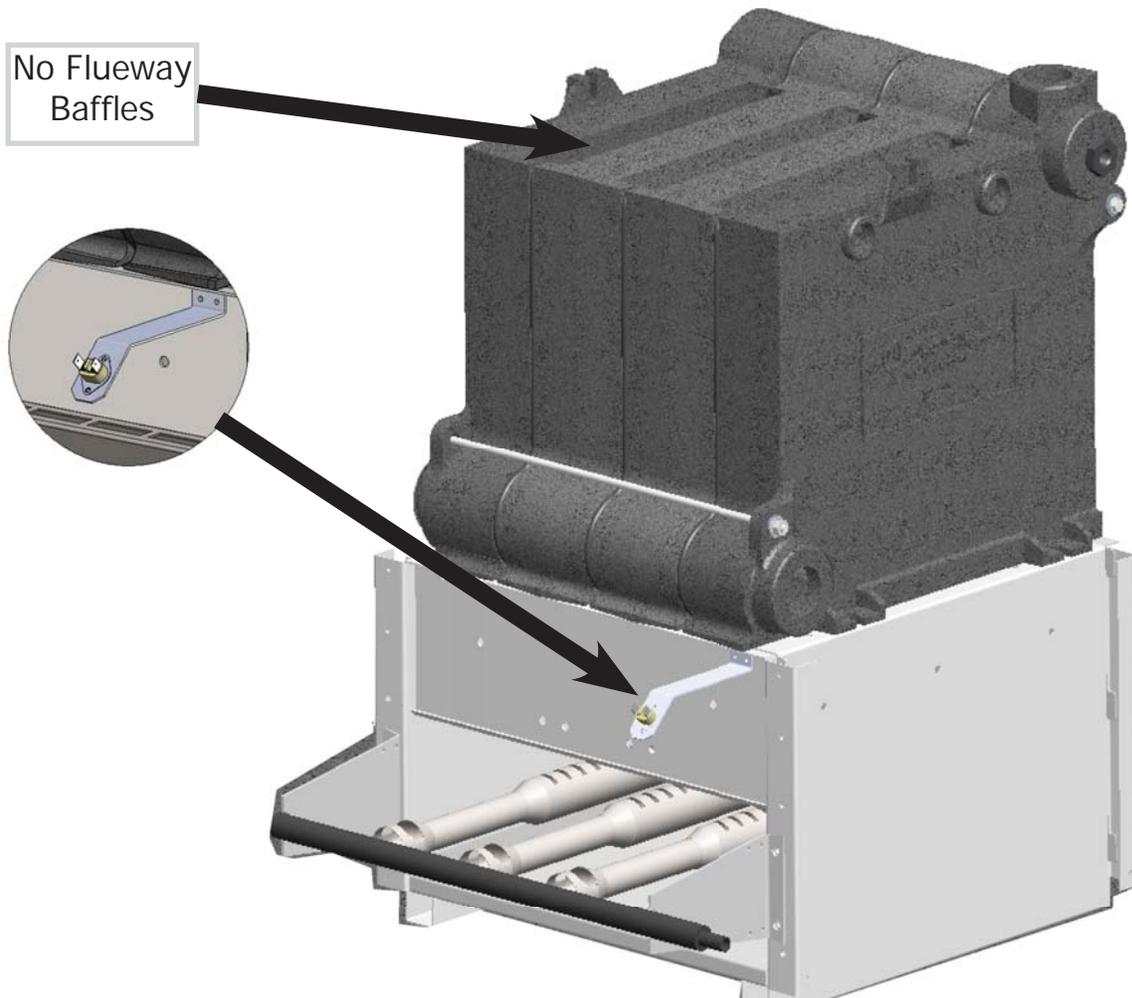


Figure 5 - Gas Valve and Spark Wiring Relocation



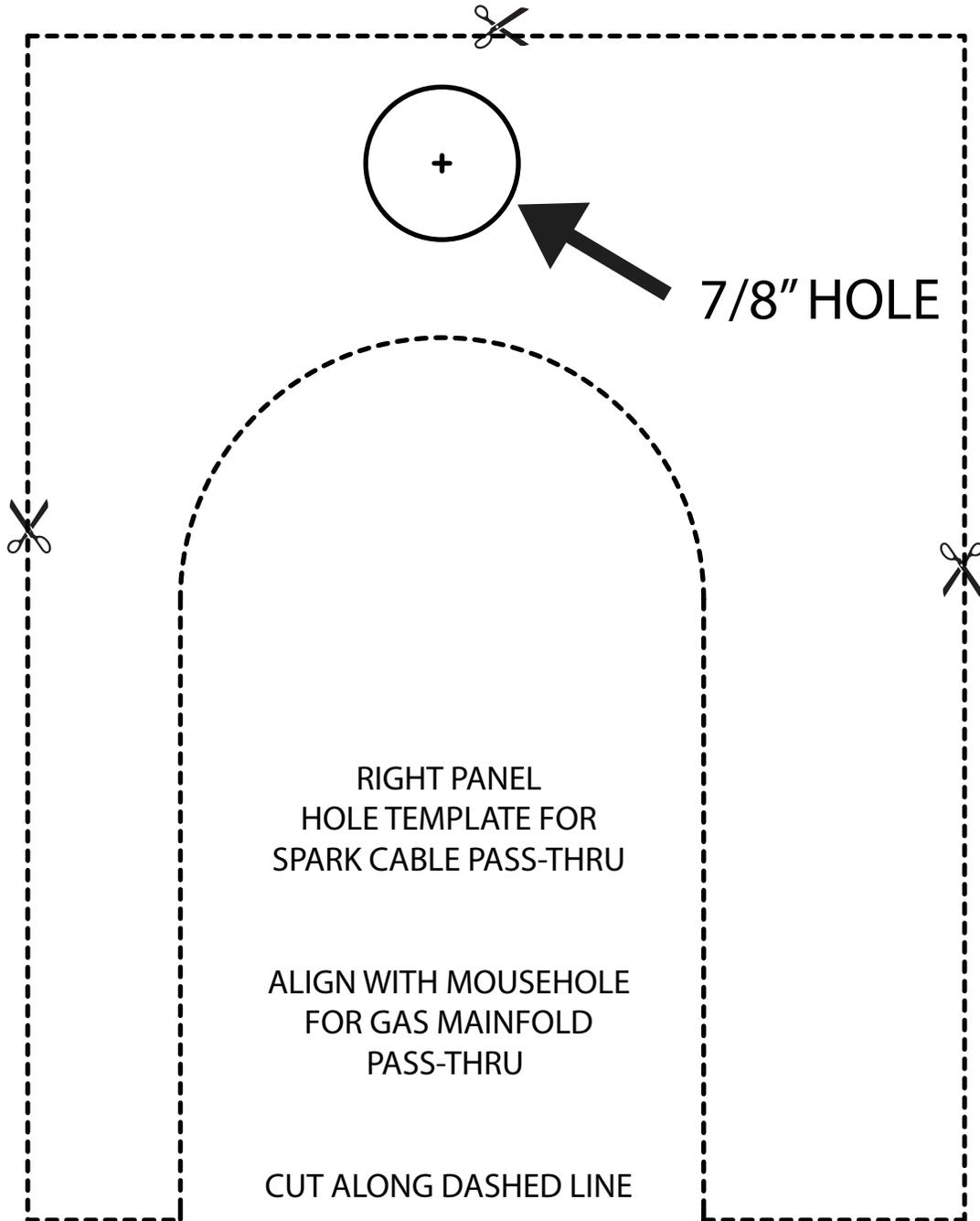
# HEAT EXCHANGER REPLACEMENT KIT INSTRUCTIONS

Figure 6 - Replacement Heat Exchanger



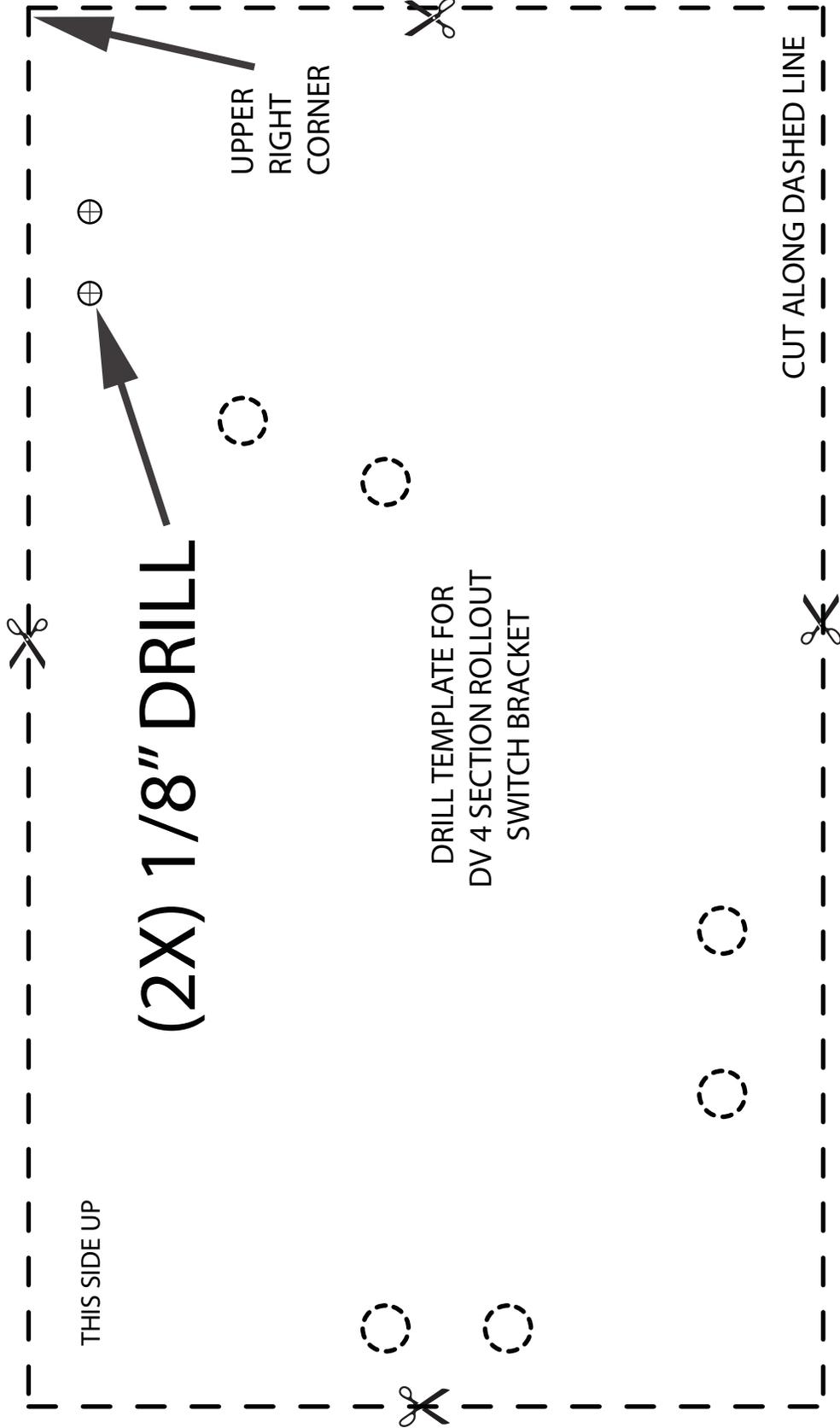
HEAT EXCHANGER REPLACEMENT KITS - PARTS LISTING					
Sections	2	3	4		5
Input (MbH)	50	75-100	125	150	175-200
Kit #	550002358	550002359	550002360	550002361	550002362
Heat Exchanger Block	YES	YES	YES	YES	YES
Rollout Switch Bracket	-	-	-	109008517	-
Screws 1/4-20 x 1/2 Self Tap	-	-	YES (2)	YES (2)	YES (2)
Pilot Shield (Spark units only)	-	-	YES	YES	YES
Screws Slotted 8-18 x 1/2	-	-	-	YES (2)	-
Burner Door	-	-	-	109008513	109008514
Grommet			YES	YES	YES
Template, Right Hand Panel			Included in Instructions		
Template, Base			Included in Instructions		
Label	YES	YES	YES	YES	YES
Instructions	240009149	240009149	240009149	240009149	240009149
NOTE: Items denoted as "YES" are not sold separately.					

# JACKET PANEL TEMPLATE (ALL SIZES)



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# 4 SECTION (150 SIZE ONLY) ROLLOUT BRACKET RELOCATION TEMPLATE



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