# CONVERSION KIT INSTRUCTIONS NATURAL GAS TO LP & LP TO NATURAL GAS

050 Kit #550002303,

075 Kit #550002304,

100 Kit #550002305,

150 Kit #550002306,

200 Kit #550002307

299 Kit #550002799

Kit installation shall be completed by qualified agency.

## **A** 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.

#### Converting Boiler From Natural Gas To LP:

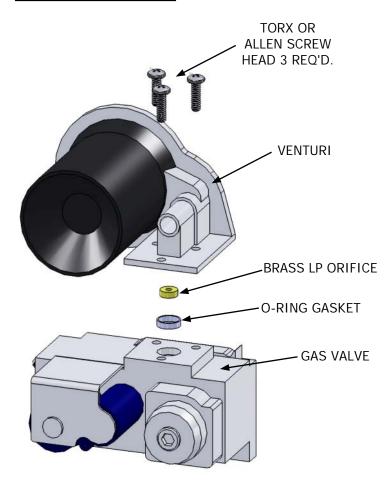
1. Follow instructions To TURN OFF GAS TO APPLIANCE found on Operating Instructions label on boiler or in Installation, Operation & Maintenance Manual. Verify all electrical power to boiler is turned off.

#### **AWARNING**

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

- 2. Remove upper jacket from boiler.
- **3.** Follow instruction TO TURN OFF GAS TO APPLIANCE. Verify electrical power is OFF.
- **4.** Remove screws as shown in figures 1 & 2. Carefully separate gas valve.
- Insert LP orifice as shown in figures 1 & 2. See Table 1 for orifice size.
- **6.** 050 Mbh thru 200, O-ring gasket shown in figure 1 must remain in place.
- **7.** Connect gas valve using previously removed screws.
- **8.** Place "Natural to LP" and "Converted by" labels onto boiler as shown in figures 4 & 5.
- 9. Replace upper jacket.
- **10.** Follow instructions in "Start-up Procedure" section of boiler's Installation, Operation & Maintenance Manual for proper startup and verification procedures.

<u>Figure - 1 Disconnect Venturi Body from Gas Valve 050/075/100/150/200</u>



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.

#### **Converting Boiler From LP To Natural Gas:**

1. 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.

## **WARNING**

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

- 2. Remove upper jacket from boiler.
- **3.** Follow instruction TO TURN OFF GAS TO APPLIANCE. Verify electrical power is OFF.
- **4.** Remove screws as shown in figures 1 & 2. Carefully separate gas valve.
- **5.** Remove orifice as shown in figures 1 & 2.
- **6.** 050 Mbh thru 200, O-ring gasket shown in figure 1 must remain in place.
- **7.** Connect gas valve using previously removed screws.
- **8.** Place "LP to Natural" and "Converted by" labels onto boiler as shown in figures 4 & 5.
- 9. Replace upper jacket.
- **10.** Follow instructions in "Start-up Procedure" section of boiler's Installation, Operation & Maintenance Manual for proper startup and verification procedures.

Figure - 2 Disconnect Venturi Body from Gas Valve, 299

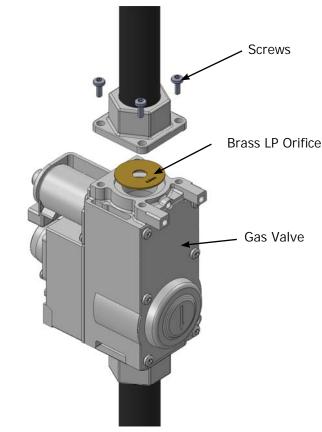


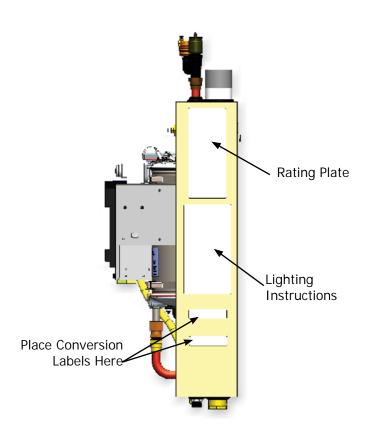
Figure - 3 Brass LP Orifice

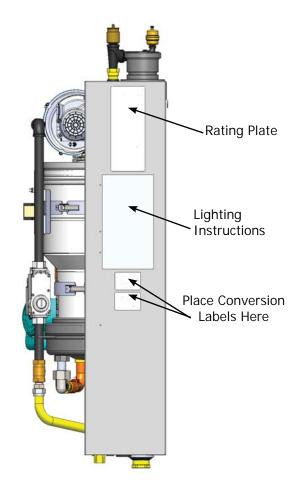


Table 1 - LP Orifice

Propane Orifice Chart			
Model	Part No.	Size	
050	240008864	3.8mm	
075	1350018	3.9mm	
100	240008263	4.6mm	
150	240008865	5.4mm	
200	240008866	5.9mm	
299	240009904	9.6mm	

Figure - 5 Conversion Label Placement, 299





**Table 2 - Parts Lists** 

050 Gas Conversion Kit # 550002303			
DESCRIPTION	PART #	QTY	
Orifice, LP, 3.8mm	240008864	1	
Label, "Converted By"	240008688	2	
Label, "Nat to LP" conversion plate	240008961	1	
Label, "LP to Nat" conversion plate	240008962	1	
Instructions	240008957	1	
075 Gas Conversion Kit # 550002304			
DESCRIPTION	PART #	QTY	
Orifice, LP, 3.9mm	1350018	1	
Label, "Converted By"	240008688	2	
Label, "Nat to LP" conversion plate	240008961	1	
Label, "LP to Nat" conversion plate	240008962	1	
Instructions	240008957	1	
100 Gas Conversion Kit #550002305			
DESCRIPTION	PART #	QTY	
Orifice, LP, 4.6mm	240008263	1	
Label, "Converted By"	240008688	2	
Label, "Nat to LP" conversion plate	240008961	1	
Label, "LP to Nat" conversion plate	240008962	1	
Instructions	240008960	1	
150 Gas Conversion Kit #55000230			
150 Gas Conversion Kit #	<del>55000230</del>	)6	
150 Gas Conversion Kit #	<b>55000230</b> PART #	OTY	
		1	
DESCRIPTION	PART #	QTY	
DESCRIPTION  Orifice, LP, 5.4mm  Label, "Converted By"  Label, "Nat to LP" conversion plate	PART # 240008865	QTY 1	
DESCRIPTION  Orifice, LP, 5.4mm  Label, "Converted By"	PART # 240008865 240008688	QTY 1 2	
DESCRIPTION  Orifice, LP, 5.4mm  Label, "Converted By"  Label, "Nat to LP" conversion plate	PART # 240008865 240008688 240008961	QTY 1 2 1	
DESCRIPTION  Orifice, LP, 5.4mm  Label, "Converted By"  Label, "Nat to LP" conversion plate  Label, "LP to Nat" conversion plate	PART # 240008865 240008688 240008961 240008962 240008957	QTY 1 2 1 1 1	
DESCRIPTION  Orifice, LP, 5.4mm  Label, "Converted By"  Label, "Nat to LP" conversion plate  Label, "LP to Nat" conversion plate  Instructions	PART # 240008865 240008688 240008961 240008962 240008957	QTY 1 2 1 1 1	
DESCRIPTION  Orifice, LP, 5.4mm  Label, "Converted By"  Label, "Nat to LP" conversion plate  Label, "LP to Nat" conversion plate  Instructions  200 Gas Conversion Kit #	PART # 240008865 240008688 240008961 240008962 240008957 <b>*55000230</b>	OTY 1 2 1 1 1 1 7	
DESCRIPTION  Orifice, LP, 5.4mm  Label, "Converted By"  Label, "Nat to LP" conversion plate  Label, "LP to Nat" conversion plate  Instructions  200 Gas Conversion Kit #  DESCRIPTION	PART # 240008865 240008688 240008961 240008962 240008957 <b>*55000230</b> PART #	QTY 1 2 1 1 1 1 07	
DESCRIPTION  Orifice, LP, 5.4mm  Label, "Converted By"  Label, "Nat to LP" conversion plate  Label, "LP to Nat" conversion plate  Instructions  200 Gas Conversion Kit #  DESCRIPTION  Orifice, LP, 5.9mm	PART # 240008865 240008961 240008962 240008957 <b>*55000230</b> PART # 240008866	QTY 1 2 1 1 1 1 7 QTY	
DESCRIPTION  Orifice, LP, 5.4mm  Label, "Converted By"  Label, "Nat to LP" conversion plate  Label, "LP to Nat" conversion plate  Instructions  200 Gas Conversion Kit #  DESCRIPTION  Orifice, LP, 5.9mm  Label, "Converted By"	PART # 240008865 240008961 240008962 240008957 <b>*55000230</b> PART # 240008866 240008688	QTY 1 2 1 1 1 1 7 QTY 1 2	
DESCRIPTION  Orifice, LP, 5.4mm  Label, "Converted By"  Label, "Nat to LP" conversion plate  Label, "LP to Nat" conversion plate  Instructions  200 Gas Conversion Kit #  DESCRIPTION  Orifice, LP, 5.9mm  Label, "Converted By"  Label, "Nat to LP" conversion plate  Label, "LP to Nat" conversion plate  Instructions	PART # 240008865 240008961 240008962 240008957  *55000230 PART # 240008866 240008688 240008961 240008962 240008957	QTY 1 2 1 1 1 1 7 QTY 1 2 1 1 1 1 1 1 1 1	
DESCRIPTION  Orifice, LP, 5.4mm  Label, "Converted By"  Label, "Nat to LP" conversion plate  Label, "LP to Nat" conversion plate  Instructions  200 Gas Conversion Kit #  DESCRIPTION  Orifice, LP, 5.9mm  Label, "Converted By"  Label, "Nat to LP" conversion plate  Label, "LP to Nat" conversion plate	PART # 240008865 240008961 240008962 240008957  F55000230 PART # 240008866 240008688 240008961 240008967  F55000279	QTY 1 2 1 1 1 1 7 QTY 1 2 1 1 1 1 1 1 1 1	
DESCRIPTION  Orifice, LP, 5.4mm  Label, "Converted By"  Label, "Nat to LP" conversion plate  Label, "LP to Nat" conversion plate  Instructions  200 Gas Conversion Kit #  DESCRIPTION  Orifice, LP, 5.9mm  Label, "Converted By"  Label, "Nat to LP" conversion plate  Label, "LP to Nat" conversion plate  Instructions	PART # 240008865 240008961 240008962 240008957  *55000230 PART # 240008866 240008688 240008961 240008962 240008957	QTY 1 2 1 1 1 1 7 QTY 1 2 1 1 1 1 1 1 1 1	
DESCRIPTION  Orifice, LP, 5.4mm  Label, "Converted By"  Label, "Nat to LP" conversion plate  Label, "LP to Nat" conversion plate  Instructions  200 Gas Conversion Kit #  DESCRIPTION  Orifice, LP, 5.9mm  Label, "Converted By"  Label, "Nat to LP" conversion plate  Label, "LP to Nat" conversion plate  Instructions  299 Gas Conversion Kit #  DESCRIPTION  Orifice, LP, 9.6mm	PART # 240008865 240008961 240008962 240008957  F55000230 PART # 240008866 240008688 240008961 240008967  F55000279	QTY 1 2 1 1 1 7 QTY 1 2 1 1 1 1 9	
DESCRIPTION  Orifice, LP, 5.4mm  Label, "Converted By"  Label, "Nat to LP" conversion plate  Label, "LP to Nat" conversion plate  Instructions  200 Gas Conversion Kit #  DESCRIPTION  Orifice, LP, 5.9mm  Label, "Converted By"  Label, "Nat to LP" conversion plate  Label, "LP to Nat" conversion plate  Instructions  299 Gas Conversion Kit #  DESCRIPTION  Orifice, LP, 9.6mm  Label, "Converted By"	PART # 240008865 240008688 240008961 240008957  *55000230 PART # 240008866 240008688 240008961 240008957  *55000279 PART #	QTY 1 2 1 1 1 7 QTY 1 2 1 1 1 1 9 QTY	
DESCRIPTION  Orifice, LP, 5.4mm  Label, "Converted By"  Label, "Nat to LP" conversion plate  Label, "LP to Nat" conversion plate  Instructions  200 Gas Conversion Kit #  DESCRIPTION  Orifice, LP, 5.9mm  Label, "Converted By"  Label, "Nat to LP" conversion plate  Label, "LP to Nat" conversion plate  Instructions  299 Gas Conversion Kit #  DESCRIPTION  Orifice, LP, 9.6mm	PART # 240008865 240008688 240008961 240008957  *55000230 PART # 240008866 240008961 240008961 240008967  *55000279 PART # 240009904	QTY 1 2 1 1 1 7 QTY 1 2 1 1 1 1 9 QTY 1	
DESCRIPTION  Orifice, LP, 5.4mm  Label, "Converted By"  Label, "Nat to LP" conversion plate  Label, "LP to Nat" conversion plate  Instructions  200 Gas Conversion Kit #  DESCRIPTION  Orifice, LP, 5.9mm  Label, "Converted By"  Label, "Nat to LP" conversion plate  Label, "LP to Nat" conversion plate  Instructions  299 Gas Conversion Kit #  DESCRIPTION  Orifice, LP, 9.6mm  Label, "Converted By"	PART # 240008865 240008688 240008961 240008957  F55000230 PART # 240008688 240008688 240008961 240008962 240008957  F55000279 PART # 240009904 240008688	QTY 1 2 1 1 1 7 QTY 1 2 1 1 1 1 9 QTY 1 2	

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