

Gas Conversion Instructions

**MODELS: CNXT4842IH-C/-D, CNXT4236IH-C/-D, CNXT4842IT-C/-D,
CNXT4236IT-C/-D, CD4842IR-C/-D, CD4236IR-C/-D**

Conversion Instructions

This conversion shall be installed by a qualified service agency.

Any damaged valve components should not be installed. If a valve or regulator has been dropped or appears to have been modified, the valve or regulator should not be installed.

Conversion Component list:

- Burner Orifice: See appliance specification charts for orifice size.
- Burner Assembly (CD units only)
- Pilot Orifice
- Gas Conversion Plate
- Gas Label
- Gas Valve Regulator

CAUTION: THE GAS SUPPLY SHALL BE SHUT OFF PRIOR TO DISCONNECTING THE ELECTRICAL POWER BEFORE PROCEEDING WITH THE CONVERSION.

WARNING:

This Conversion kit shall be installed by a qualified service agency in accordance with the manufacturer's instructions and all applicable code and requirements of the authority having jurisdiction. If the information in these instructions is not followed exactly, a fire, explosion or production of carbon monoxide may result causing property damage, personal injury or loss of life. The qualified service agency is responsible for the proper installation of this kit. The installation is not proper and complete until the operation of the converted appliance is checked as specified in the manufacturer's instructions supplied with the kit.

Procedure for conversion:

1. Switch control module to OFF mode using selector switch. See Figure 2.
2. Turn off power to module and valve by unplugging 6V transformer from junction box.
3. Turn off gas to valve. Red gas shutoff knob is located on ball valve.
4. Using a #20 tamper-proof Torx, remove the regulator and rubber gasket on face of valve. See Figure 1. Disconnect wire lead from module. See Figure 2. Discard both the regulator and gasket.

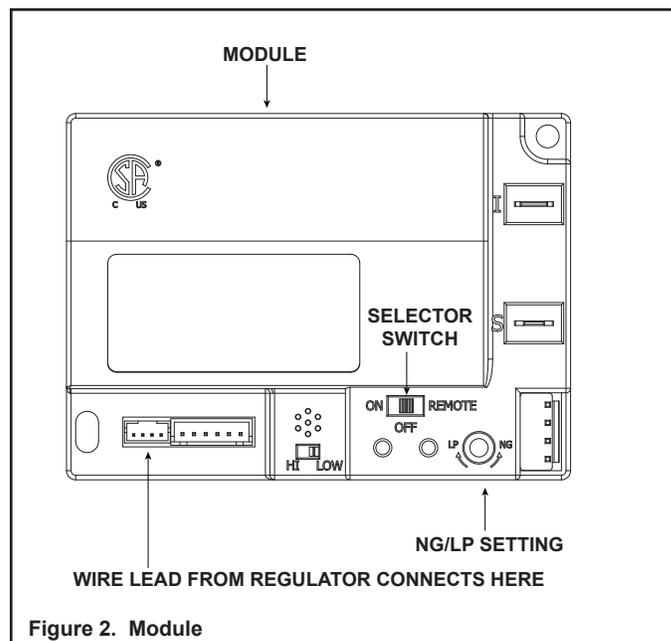
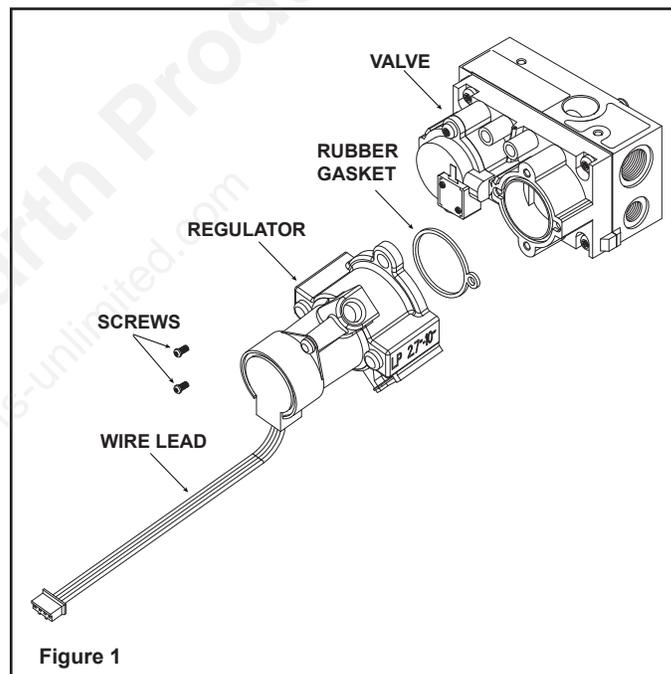
NOTICE: Selector Switch on module **MUST** be in **OFF** mode before valve regulator lead can be connected or disconnected from valve.

5. Install the new regulator with the new rubber gasket included in the conversion kit. Be sure the gasket is

seated properly. See Figure 1. Connect the wire lead from the regulator to the module. See Figure 2.

6. Using a small screwdriver, carefully adjust the setting on the module to the appropriate gas type. Turn clockwise for LP. Turn counterclockwise for NG. Turn carefully. Excessive force may cause stripping or damage to module. See Figure 2.

WARNING! Risk of Fire, Explosion or Gas Leaks! Rubber gasket must be seated properly on valve face. Do not install a valve or regulator that has been dropped.



- Remove the two top logs from the log/grate assembly. These logs are not secured to the assembly with screws. See Figure 3.



Figure 3. Remove Top Two Logs

- Remove screw from each tab at the front of the log/grate assembly that secures the assembly to the base pan. Carefully remove the log/grate assembly. See Figure 4.



Figure 4. Remove Screws from Front Tab

- Remove screws from log tabs on both ends of the rear log and remove the log. See Figure 5.



Figure 5. Remove Screws from Log Tabs

- Remove the two screws from the back corners of the burner assembly. See Figure 6.

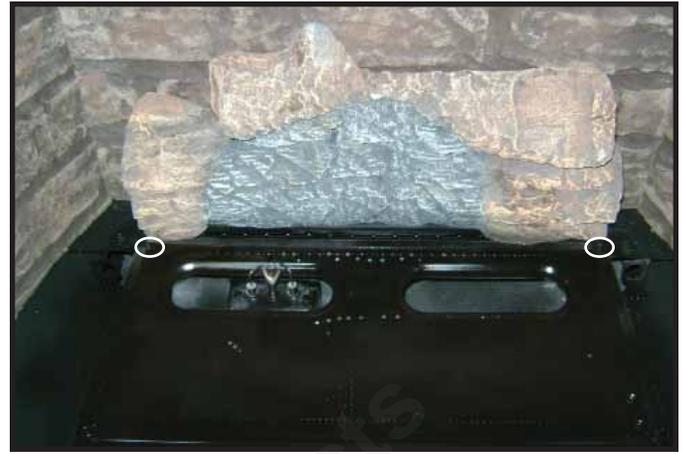


Figure 6. Remove Screws from Burner Assembly Rear Corners

- Remove burner skirt by remaining 4 screws. See Figure 7.

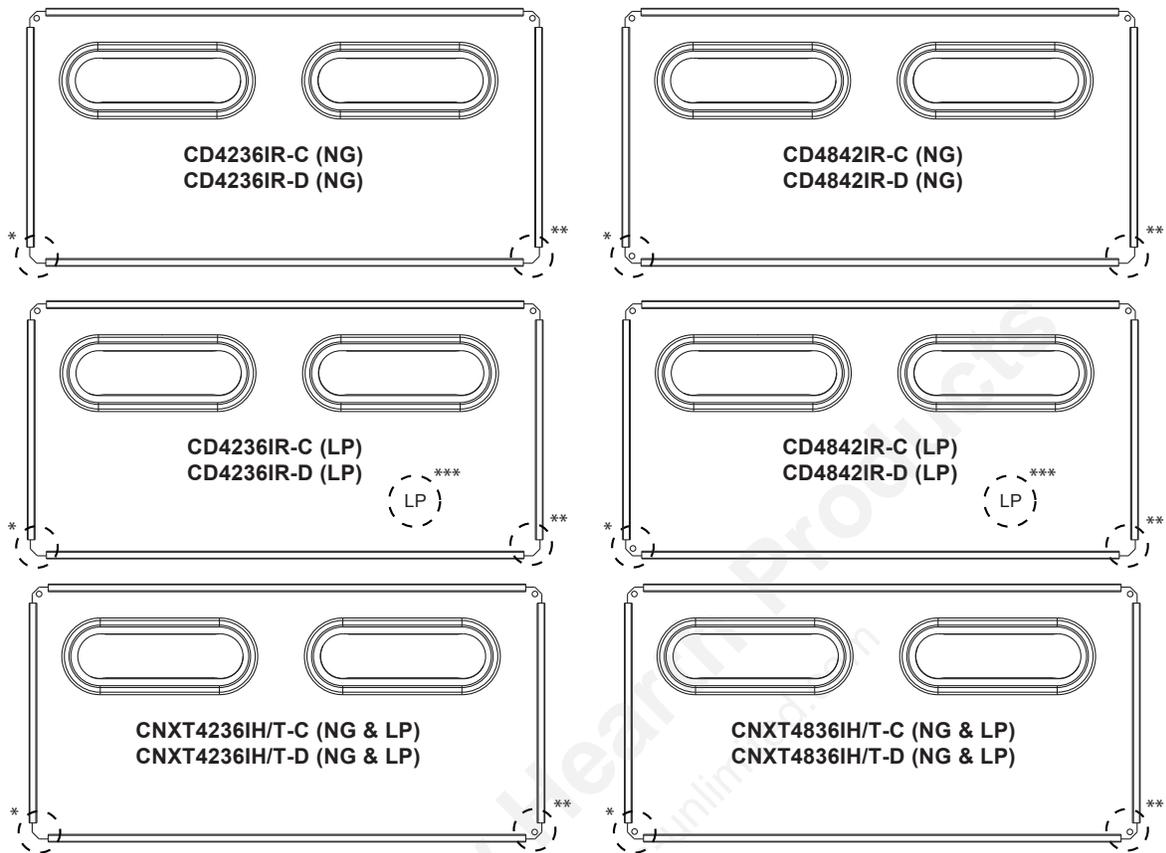


Figure 7. Remove Burner Skirt



Figure 8. Grate Tab

- Bend down grate tab at the right of burner assembly. Assembly will slide out to the right. See Figure 8.
- Replace main burner orifice and pilot spud with those included in the conversion kit. See Figure 10. See appliance specification chart for appropriate orifice size and shutter settings.
- Replace main burner assembly with the assembly included in the conversion kit. The CNXT appliances will not need a burner change. See Figure 9 to ensure that the correct burner assembly is installed.



	*Bottom left feature determines fireplace size	**Bottom right feature determines fireplace style	***LP stamp determines gas type (for CD models only)
CD4236IR-C/-D (NG)			
CD4236IR-C/-D (LP)			X
CNXT4236IH/T-C/-D (NG & LP)		X	
CD4842IR-C/-D (NG)	X		
CD4842IR-C/-D (LP)	X		X
CNXT4842IH/T-C/-D (NG & LP)	X	X	

Figure 9. Burner identification Examples

15. Reinstall rear log . See Figure 5.

16. Reinstall burner skirt. See Figure 7.

Note: The qualified service agency installing this conversion must enter the day, month, and year, and sign the natural gas conversion plate added to this appliance.

17. Reinstall the log/grate assembly and top logs according to log placement instructions in the appliance installation manual.

18. Place the round (NG or LP) label over the existing round (LP or NG) label on the bottom base pan. Place the conversion plate adjacent to the existing rating plate.

19. Unplug the green wire from valve.

WARNING! Risk of Shock or Burns! Disconnect green wire from gas valve. Failure to disconnect green wire could result in severe burns.

19. Turn on power to module and valve.

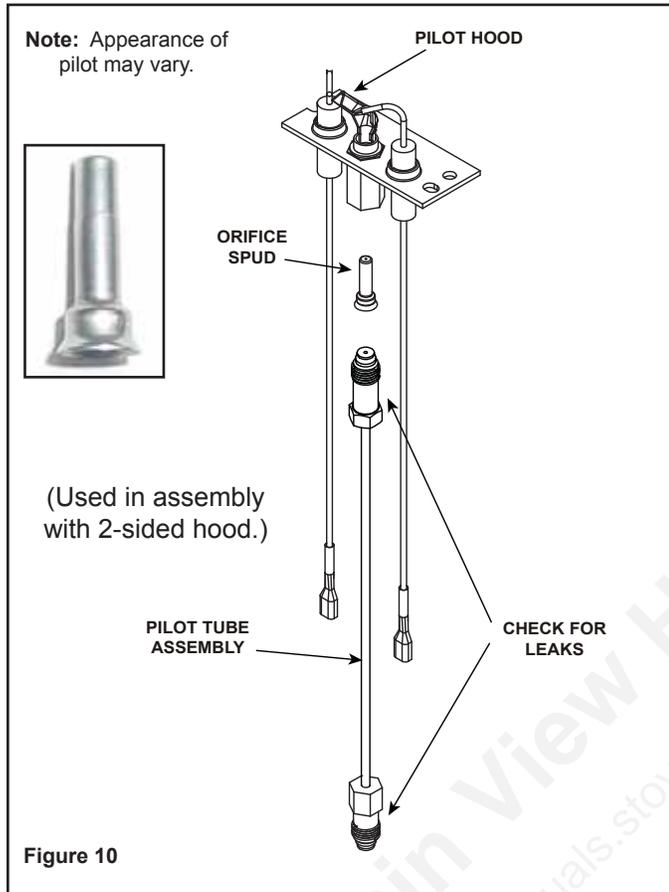
20. Turn on fireplace with the green wire disconnected from the valve.

20. Use a commercially available, noncorrosive leak check solution to test for leaks around the pilot. Be sure to rinse off all leak check solution following testing. See Figure 10 for leak check points. Extinguish the pilot.

21. Adjust the burner shutter setting. See Appliance specifications charts on following page for the appropriate orifice size and shutter settings for each gas type.

WARNING! Risk of Explosion! Pilot must be reattached to burner shield. Delayed ignition or an explosion may occur if the pilot is not attached to the burner shield

22. Reinstall green wire on valve. Use a commercially available, noncorrosive leak check solution to test for leaks around the valve regulator. Be sure to rinse off all leak check solution following testing. Relight burner.
23. Reinstall the glass and the doors.
24. Verify that the signed and dated conversion plate has been added to appliance.



Verify the performance of the ignition system.

1. Turn fireplace on. Verify pilot sparks, pilot lights, pilot stops sparking, and the main burner turns "ON"
2. Turn fireplace OFF. Verify that the both the pilot and burner turn "OFF".
3. Repeat Step 1 above.
4. With burner "ON", remove green wire connected to valve. The main burner should shut "OFF".
5. Reattach green wire to valve, and the main burner should turn back "ON".
6. With the main burner "ON", remove orange wire connected to the valve. The pilot and burner should go out, and the pilot will start to spark.
7. Turn fireplace "OFF" and reattach orange wire to the valve.

Natural Gas Appliance Specifications

MAXIMUM **MINIMUM**

- Inlet Gas Pressure: 10.0 in. w.c. 5.0 in. w.c.
- Manifold Gas Pressure:
 - CNXT4236IT-C/-D, CNXT4236IH-C/-D, 3.5 in.w.c 1.0 in. w.c.
 - CNXT4842IT-C/-D, CNXT4842IH-C/-D 3.5 in.w.c 1.0 in. w.c.
 - CD4842IR-C/-D, CD4236IR-C/-D 3.5 in.w.c 1.0 in.w.c.
- Input Rate: See Below

Minimum rate with variable regulator.

NOTE: Input rate should be reduced by 4% for each 1000 feet above a 2000 foot elevation in the U.S.A. or 10% for elevations between 2000 and 4000 feet in Canada.

Models	Orifice # (U.S.)	Orifice # (Canada)	Shutter	BTU Max. (U.S.)	BTU Max. (Canada)	BTU Min. (U.S.)	BTU Min. (Canada)
CNXT4842IT-C/-D CNXT4842IH-C/-D	30	31	5/8 in.	45,000	40,500	25,000	22,500
CD4842IR-C/-D	33	34	5/16 in.	35,000	31,500	18,000	16,200
CNXT4236IT-C/-D CNXT4236IH-C/-D	0.124	32	5/8 in.	40,000	36,000	23,000	20,700
CD4236IR-C/-D	37	38	1/8 in.	30,000	27,000	16,000	14,400

L.P. Gas Appliance Specifications

MAXIMUM **MINIMUM**

- Inlet Gas Pressure: 13.0 in. w.c. 11.0 in. w.c.
- Manifold Gas Pressure:
 - CNXT4236IT-C/-D, CNXT4236IH-C/-D 10.0 in. w.c. 2.7 in. w.c.
 - CNXT4842IT-C/-D, CNXT4842IH-C/-D 10.0 in. w.c. 2.7 in. w.c.
 - CD4842IR-C/-D, CD4236IR-C/-D 10.0 in.w.c. 2.7 in. w.c.
- Input Rate: See Below

Minimum rate with variable regulator.

NOTE: Input rate should be reduced by 4% for each 1000 feet above a 2000 foot elevation in the U.S.A. or 10% for elevations between 2000 and 4000 feet in Canada.

Models	Orifice # (U.S.)	Orifice # (Canada)	Shutter	BTU Max (U.S.)	BTU Max (Canada)	BTU Min (U.S.)	BTU Min (Canada)
CNXT4842IT-C/-D CNXT4842IH-C/-D	48	49	Full Open	40,000	36,000	21,500	19,350
CD4842IR-C/-D	51	52	Full Open	32,500	29,250	17,000	15,300
CNXT4236IT-C/-D CNXT4236IH-C/-D	50	51	Full Open	36,000	32,400	19,000	17,100
CD4236IR-C/-D	52	53	5/8 in.	29,000	26,100	16,000	14,400