



GAS UNITS KITS & ACCESSORIES

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INTEGRATED CONTROL REPLACEMENT KIT

INSTALLATION INSTRUCTIONS FOR INTEGRATED CONTROL REPLACEMENT KIT (22K54) USED WITH EL280UHE, EL280DFE, EL296UHE and EL296DFE UNITS

WARNING

This conversion kit is to be installed by a licensed professional service technician (or equivalent) or other qualified agency in accordance with the manufacturer's instructions, all codes and requirements of the authority having jurisdiction.

Shipping and Packing List

Package 1 of 1 contains:

- 1 - Integrated control - 107048-XX (two-digit suffix)
- 1 - Diagnostic sticker 107343-XX (two-digit suffix)

Application

Use replacement integrated control kit (22K54) with EL280UHE, EL280DFE, EL296UHE and EL296DFE units. This control is designed for use with a 120V ignitor only. Do not install this integrated control in a furnace equipped with a 95V ignitor.

Installation

WARNING

Protect the control from direct contact with water. If the control has been in direct contact with water, replace the control.

WHEN SERVICING CONTROLS, label all wires prior to disconnecting. Wiring errors can cause improper and dangerous operation.

VERIFY proper operation after servicing.

WARNING

Disconnect power before servicing unit. Shut off main gas supplies to appliance until installation is complete.

ELECTROSTATIC DISCHARGE (ESD) Precautions and Procedures

CAUTION



Electrostatic discharge can affect electronic components. Take precautions to neutralize electrostatic charge by touching your hand and tools to metal prior to handling the control.

- 1 - Turn off electrical and gas supplies to the furnace.
- 2 - Remove the access panel and the control box cover. Label the wires before disconnecting.
- 3 - Disconnect the wires and harness connectors from the existing control.
- 4 - Remove control by unlatching the two mounting legs on the right side of the control and then rotate the control toward you.
- 5 - Replace with the provided control and reconnect the marked wires and harness connectors.
- 6 - Replace the current diagnostic sticker with provided diagnostic sticker.
- 7 - Restore electrical and gas supplies to the furnace.

WARNING

Ensure proper earth grounding of appliance. Ensure proper connection of line neutral and line hot wires.



EL280UHE Schematic Wiring Diagram

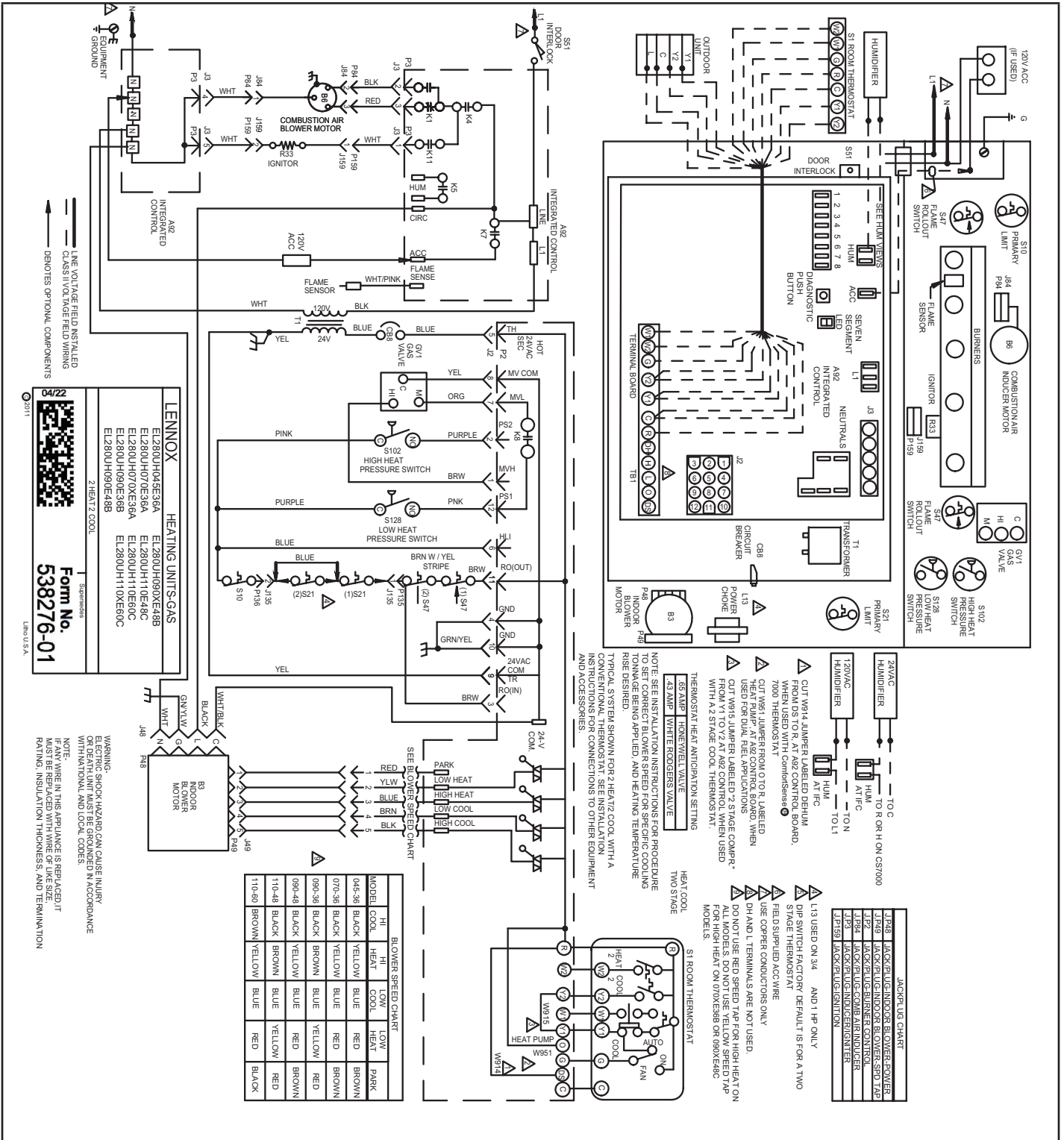


FIGURE 1

EL280DFE Schematic Wiring Diagram

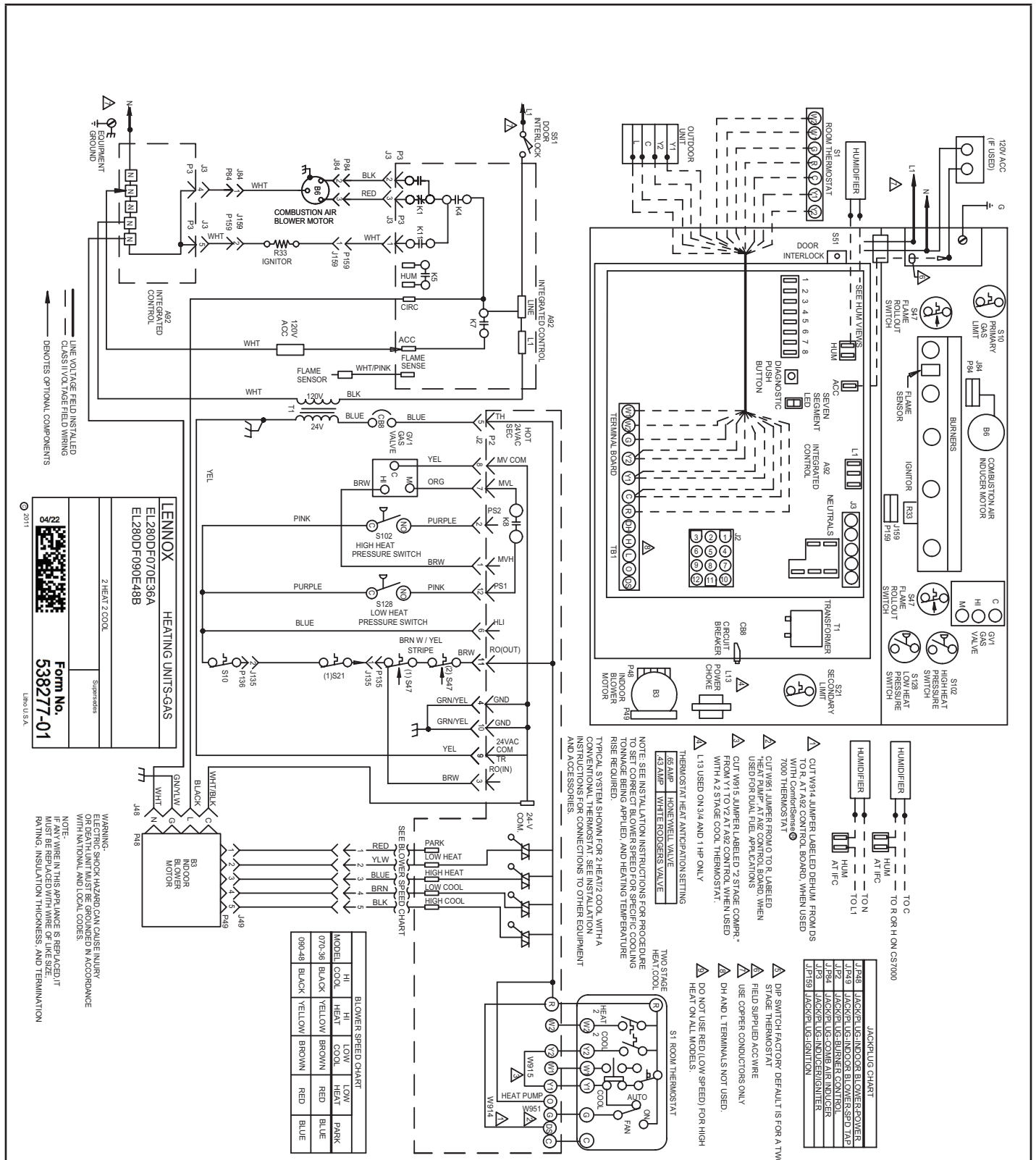


FIGURE 2

EL296DFE Schematic Wiring Diagram

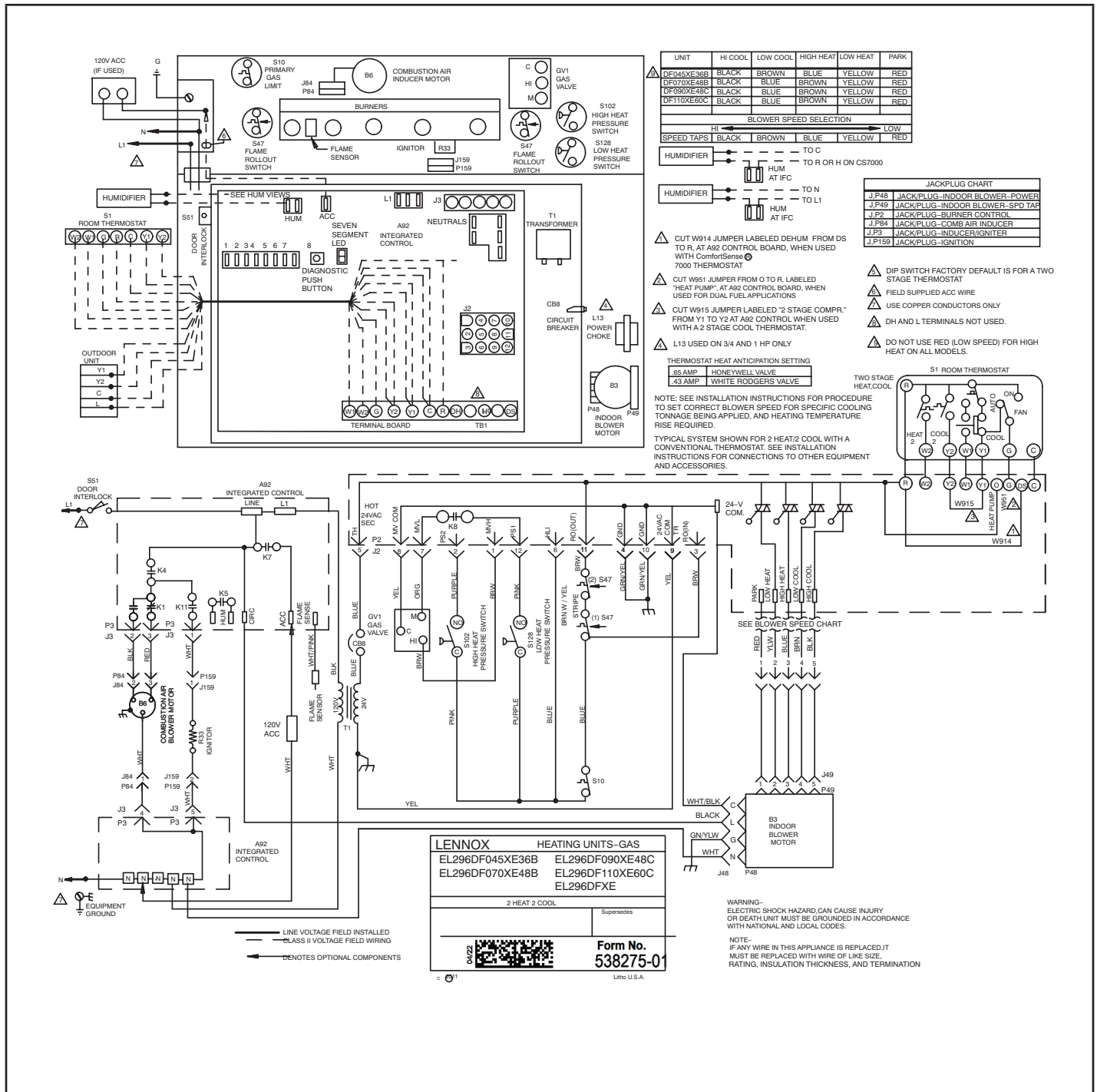
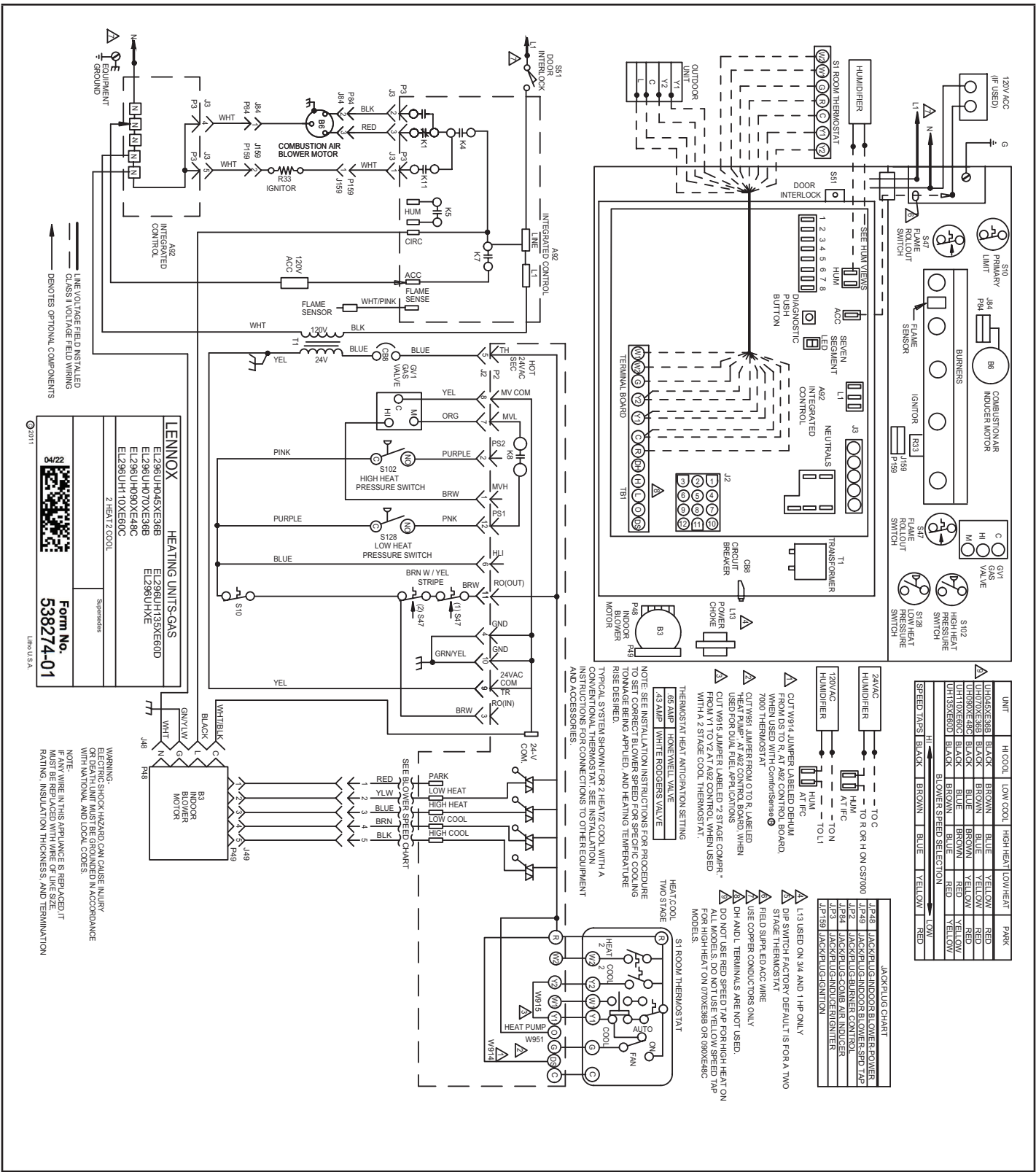


FIGURE 3

EL296UHE Schematic Wiring Diagram



UNIT	HI COOL	LOW COOL	HIGH HEAT	LOW HEAT	PARK
UHX9XE38B	BLACK	BROWN	BLUE	YELLOW	RED
UHX9XE38S	BLACK	BROWN	BLUE	YELLOW	RED
UHX9XE38C	BLACK	BROWN	BLUE	YELLOW	RED
UHX9XE38D	BLACK	BROWN	BLUE	YELLOW	RED
UHX9XE38E	BLACK	BROWN	BLUE	YELLOW	RED
UHX9XE38F	BLACK	BROWN	BLUE	YELLOW	RED
UHX9XE38G	BLACK	BROWN	BLUE	YELLOW	RED
UHX9XE38H	BLACK	BROWN	BLUE	YELLOW	RED
UHX9XE38I	BLACK	BROWN	BLUE	YELLOW	RED
UHX9XE38J	BLACK	BROWN	BLUE	YELLOW	RED
UHX9XE38K	BLACK	BROWN	BLUE	YELLOW	RED
UHX9XE38L	BLACK	BROWN	BLUE	YELLOW	RED
UHX9XE38M	BLACK	BROWN	BLUE	YELLOW	RED
UHX9XE38N	BLACK	BROWN	BLUE	YELLOW	RED
UHX9XE38O	BLACK	BROWN	BLUE	YELLOW	RED
UHX9XE38P	BLACK	BROWN	BLUE	YELLOW	RED
UHX9XE38Q	BLACK	BROWN	BLUE	YELLOW	RED
UHX9XE38R	BLACK	BROWN	BLUE	YELLOW	RED
UHX9XE38S	BLACK	BROWN	BLUE	YELLOW	RED
UHX9XE38T	BLACK	BROWN	BLUE	YELLOW	RED
UHX9XE38U	BLACK	BROWN	BLUE	YELLOW	RED
UHX9XE38V	BLACK	BROWN	BLUE	YELLOW	RED
UHX9XE38W	BLACK	BROWN	BLUE	YELLOW	RED
UHX9XE38X	BLACK	BROWN	BLUE	YELLOW	RED
UHX9XE38Y	BLACK	BROWN	BLUE	YELLOW	RED
UHX9XE38Z	BLACK	BROWN	BLUE	YELLOW	RED

JAKOP PLUG CHART

Model	Blower	Inducer	Control
J-P24	JACKER LUG-INDOOR BLOWER	R-PROV	R-PROV
J-P29	JACKER LUG-INDOOR BLOWER	R-SPD TAP	R-SPD TAP
J-P2	JACKER LUG-BURNER	R-INDUCER	R-INDUCER
J-P24	JACKER LUG-COMB AIR	R-INDUCER	R-INDUCER
J-P29	JACKER LUG-COMB AIR	R-INDUCER	R-INDUCER
J-P2	JACKER LUG-INDUCER	R-INDUCER	R-INDUCER
J-P24	JACKER LUG-INDUCER	R-INDUCER	R-INDUCER
J-P29	JACKER LUG-INDUCER	R-INDUCER	R-INDUCER
J-P2	JACKER LUG-INDUCER	R-INDUCER	R-INDUCER
J-P24	JACKER LUG-INDUCER	R-INDUCER	R-INDUCER
J-P29	JACKER LUG-INDUCER	R-INDUCER	R-INDUCER

FIGURE 4