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## Integrated Control Replacement Kit

### INSTALLATION INSTRUCTIONS FOR INTEGRATED CONTROL REPLACEMENT KIT (79W84) USED WITH ML180E & EL195E UNITS

#### **WARNING**

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

#### Shipping & Packing List

Package 1 of 1 contains:

1 - Integrated control - 103217-01

#### Application

Use replacement integrated control kit (79W84) with ML180E and EL195E units. **This control is designed for use with a 120V ignitor only.** Do not install this integrated control in a furnace equipped with a 70V or 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**

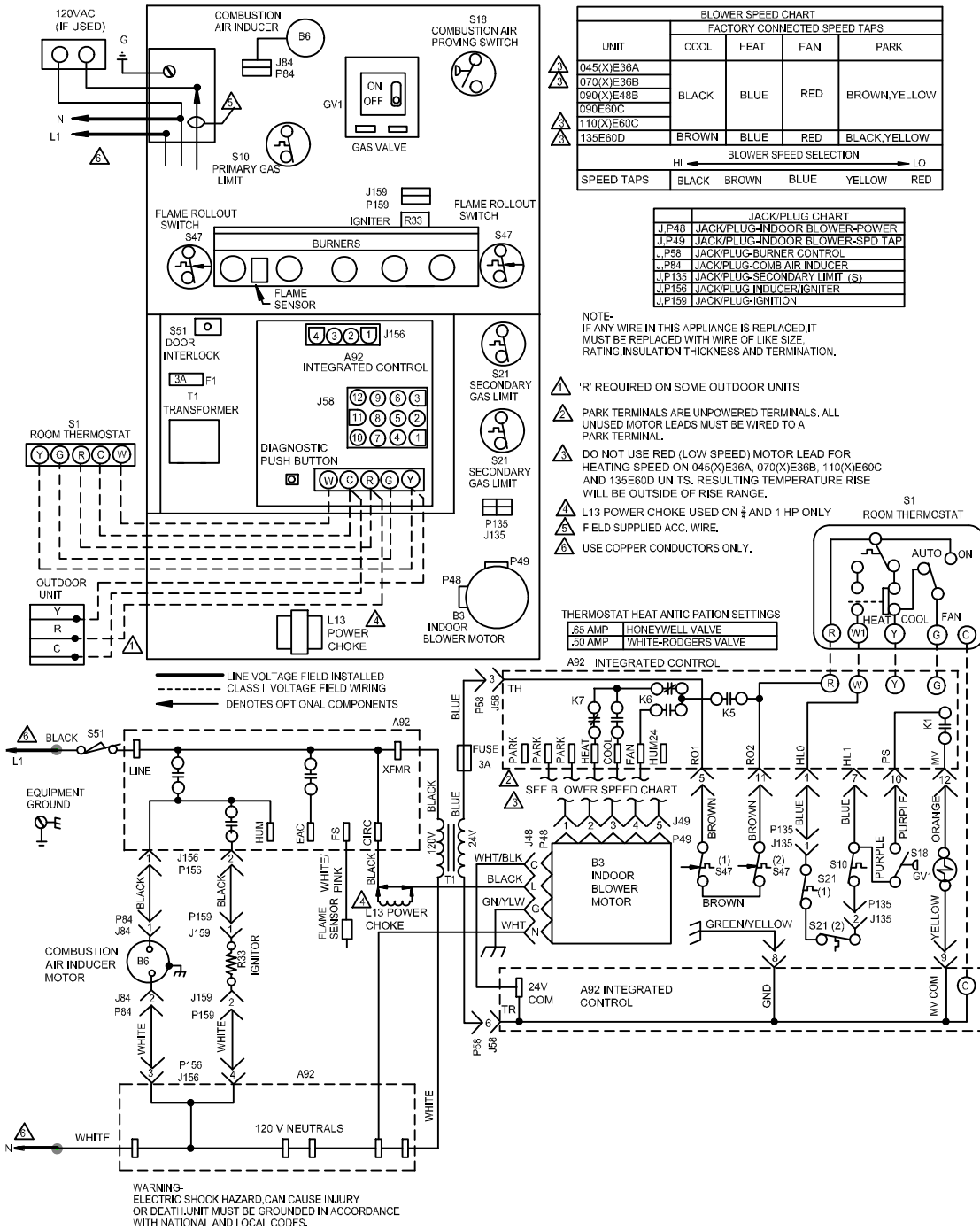


Electrostatic discharge can affect electronic components. Take precautions to neutralize electrostatic charge by touching your hand and tools to metal prior to handling the control.

- 1 - Turn off electrical and gas supplies to the furnace.
- 2 - Remove the outer access panel, and the inner blower compartment door.
- 3 - Label the wires before disconnecting.
- 4 - Disconnect the wires and harness connectors from the existing control.
- 5 - Remove the integrated control from the control box.
- 6 - Position the replacement ignition control over the mounting holes, and carefully snap board in place.
- 7 - Restore electrical power and gas supplies to the furnace. Refer to the furnace unit installation instructions or sticker on the unit for start-up.



# TYPICAL ML180UHE WIRING DIAGRAM



**BLOWER SPEED CHART**

UNIT	FACTORY CONNECTED SPEED TAPS			
	COOL	HEAT	FAN	PARK
045(X)E36A				
070(X)E36B				
080(X)E48B	BLACK	BLUE	RED	BROWN, YELLOW
090E60C				
110(X)E60C	BROWN	BLUE	RED	BLACK, YELLOW
135E60D				

HI ← BLOWER SPEED SELECTION → LO

SPEED TAPS	BLACK	BROWN	BLUE	YELLOW	RED

**JACK/PLUG CHART**

J.P48	JACK/PLUG-INDOOR BLOWER-POWER
J.P49	JACK/PLUG-INDOOR BLOWER-SPD TAP
J.P58	JACK/PLUG-BURNER CONTROL
J.P84	JACK/PLUG-COMB AIR INDUCER
J.P135	JACK/PLUG-SECONDARY LIMIT (S)
J.P158	JACK/PLUG-INDUCER/IGNITER
J.P159	JACK/PLUG-IGNITION

- NOTE-**  
 IF ANY WIRE IN THIS APPLIANCE IS REPLACED, IT MUST BE REPLACED WITH WIRE OF LIKE SIZE, RATING, INSULATION THICKNESS AND TERMINATION.
- ⚠ 'R' REQUIRED ON SOME OUTDOOR UNITS
  - ⚠ PARK TERMINALS ARE UNPOWERED TERMINALS. ALL UNUSED MOTOR LEADS MUST BE WIRED TO A PARK TERMINAL.
  - ⚠ DO NOT USE RED (LOW SPEED) MOTOR LEAD FOR HEATING SPEED ON 045(X)E36A, 070(X)E36B, 110(X)E60C AND 135E60D UNITS. RESULTING TEMPERATURE RISE WILL BE OUTSIDE OF RISE RANGE.
  - ⚠ L13 POWER CHOKE USED ON 1/2 AND 1 HP ONLY
  - ⚠ FIELD SUPPLIED ACC. WIRE.
  - ⚠ USE COPPER CONDUCTORS ONLY.

**THERMOSTAT HEAT ANTICIPATION SETTINGS**

.65 AMP	HONEYWELL VALVE
.50 AMP	WHITE-RODGERS VALVE

**FIGURE 1**

# TYPICAL EL195UHE WIRING DIAGRAM

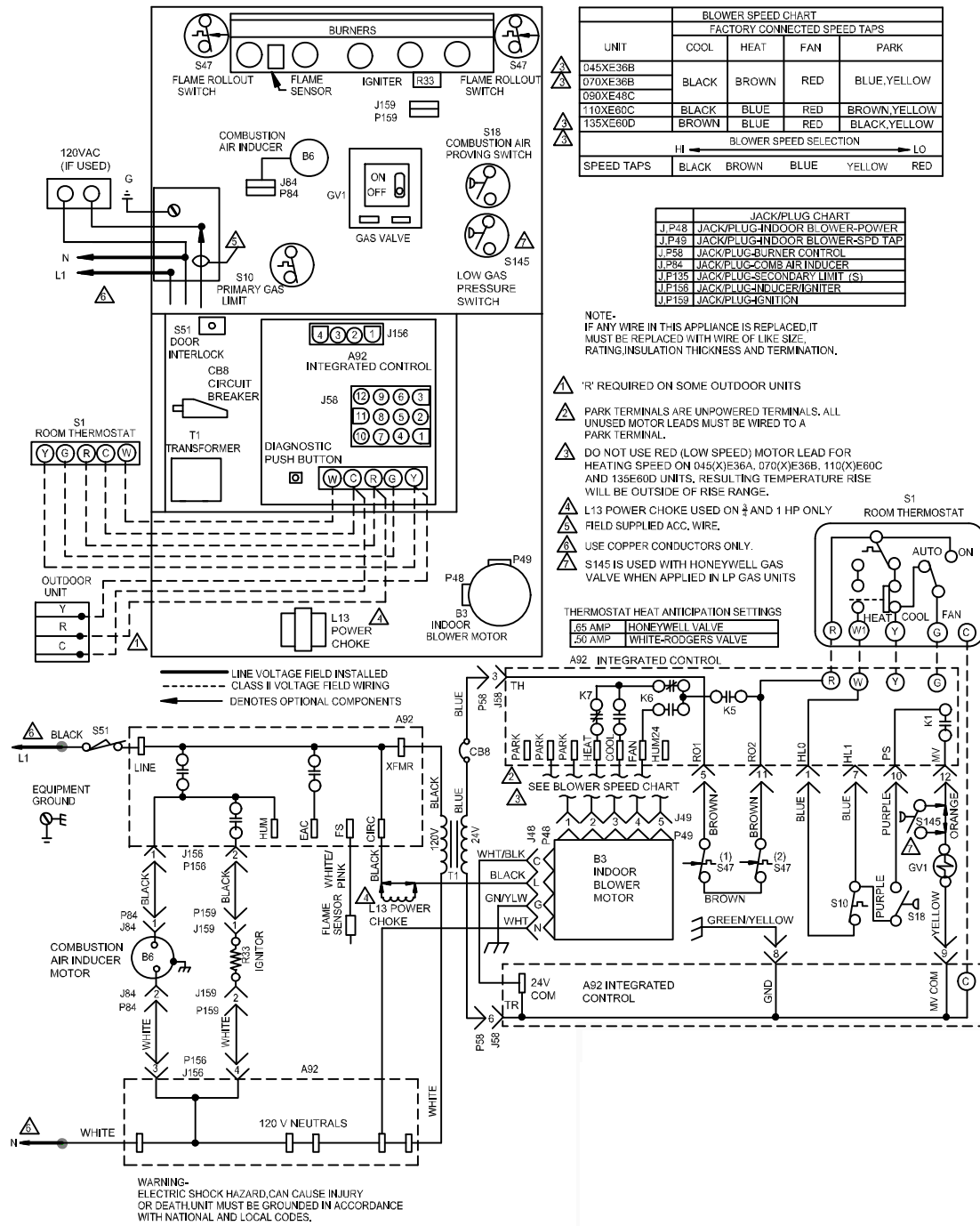


FIGURE 2

