

## MLT-GEMB

- Installation Instructions -

For use with the following controls:  
WSK-MLT or other wall thermostats



Figure A

### Disconnecting the Wall Switch Module

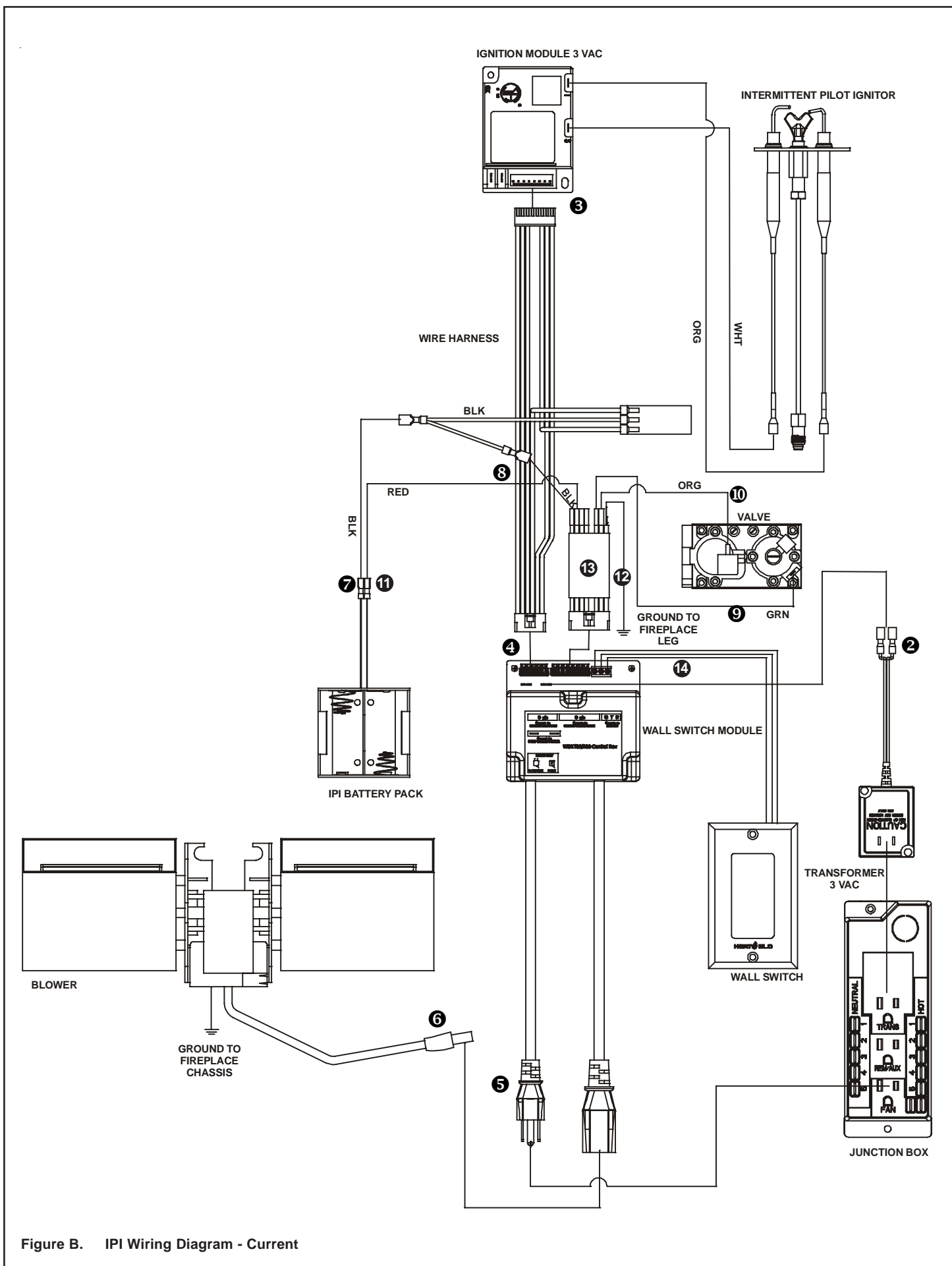
1. Remove and discard control panel by removing 2 screws (see Figure A).

**The following step numbers are referenced within Figures B through E.**

2. Unplug 3V adapter from the wall switch module (see Figure B).
3. Unplug wire harness from ignition module (see Figure B).
4. Unplug the IPI wire assembly from the wall switch module (see Figure B).
5. Unplug the wall switch module power cable from Junction box (see Figure B).
6. Unplug fan from the wall switch module (see Figure B).
7. Unplug black battery back-up wire from the wall switch module (see Figure B).
8. Unplug black wire on IPI harness from the wall switch module (see Figure B).

### Disconnecting the IPI wire harness

9. Unplug green wire from valve (see Figure B).
10. Unplug orange wire from valve (see Figure B).
11. Unplug red battery back-up wire from the IPI wire assembly (see Figure B).
12. With a 1/4" nut driver, disconnect black ground wire from firebox leg (see Figure B).
13. Discard old IPI wire harness.
14. Disconnect red, green and white wall switch wires and remove wall switch module.



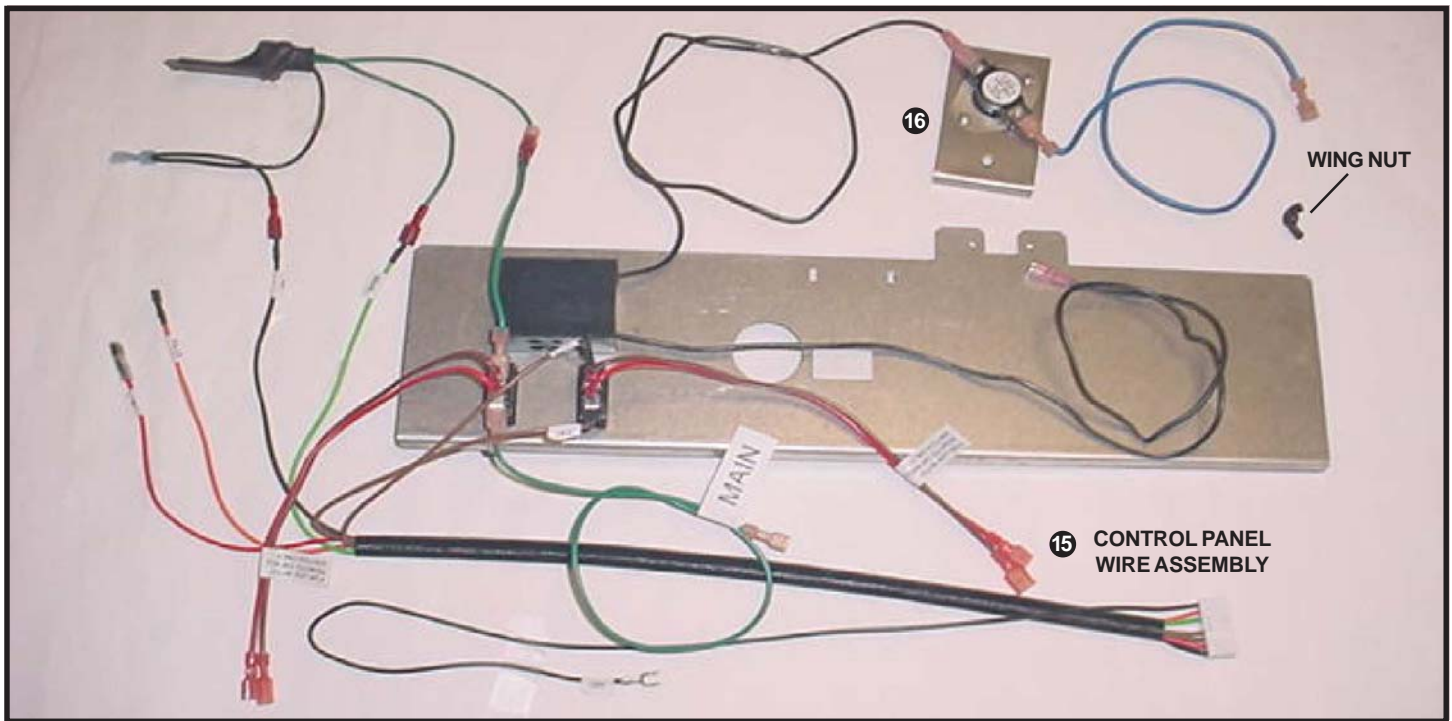


Figure C.

## Reconnecting the fan

**NOTE:** Some remote and wired controls include fan operation. Consult instructions included with the control for proper fan connections. If consulting separate instructions, ignore this section and go to **Step 20**.

15. Locate the control panel wire assembly included with the MLT-GEMB (see Figure C).
16. Install the temperature sensor switch to the weld stud, located above the firebox leg. Fasten in place with the included wing nut.

17. Plug the blue wire into the Junction box (see Figure D).

18. Plug the black wire from the Rheostat into the Junction box (see Figure D).

19. Plug the power cord from the fan into the Junction box (see Figure D).



### WARNING

Shock hazard.

Always disconnect the cord from junction box before making connections.

- Blower speed control, temperature sensor switch and blower unit operate on 110 VAC.

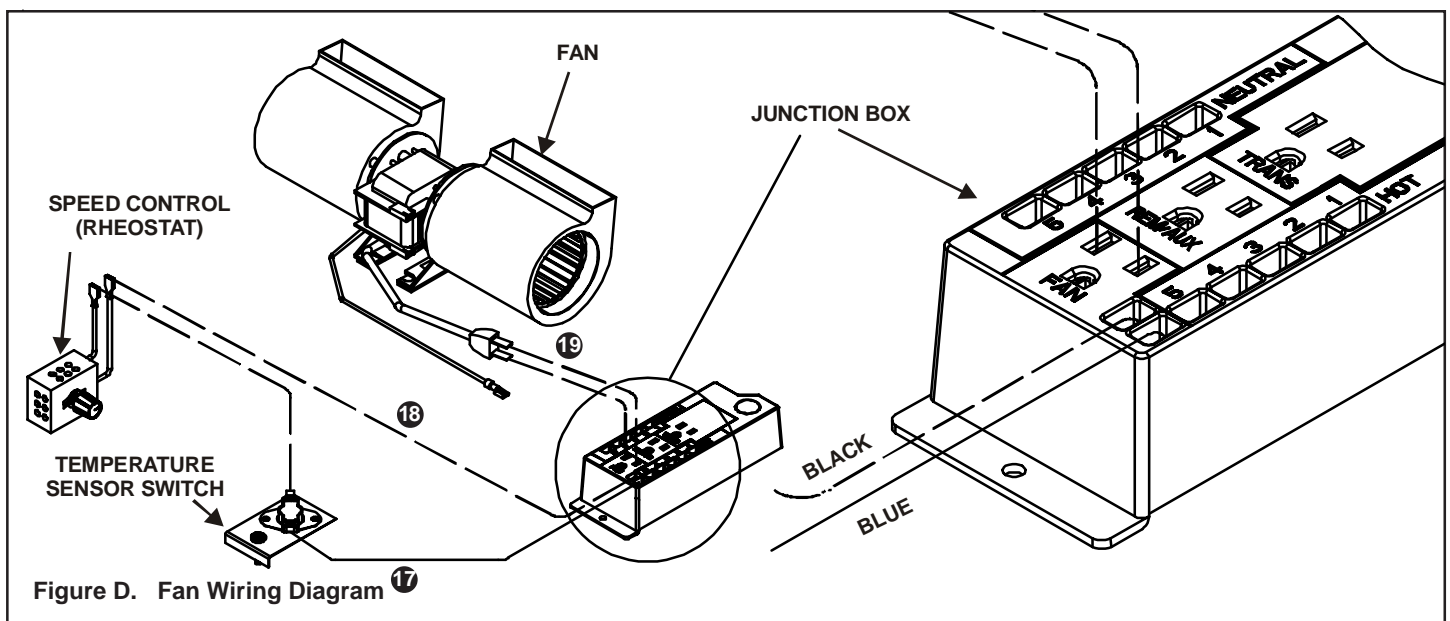


Figure D. Fan Wiring Diagram 17

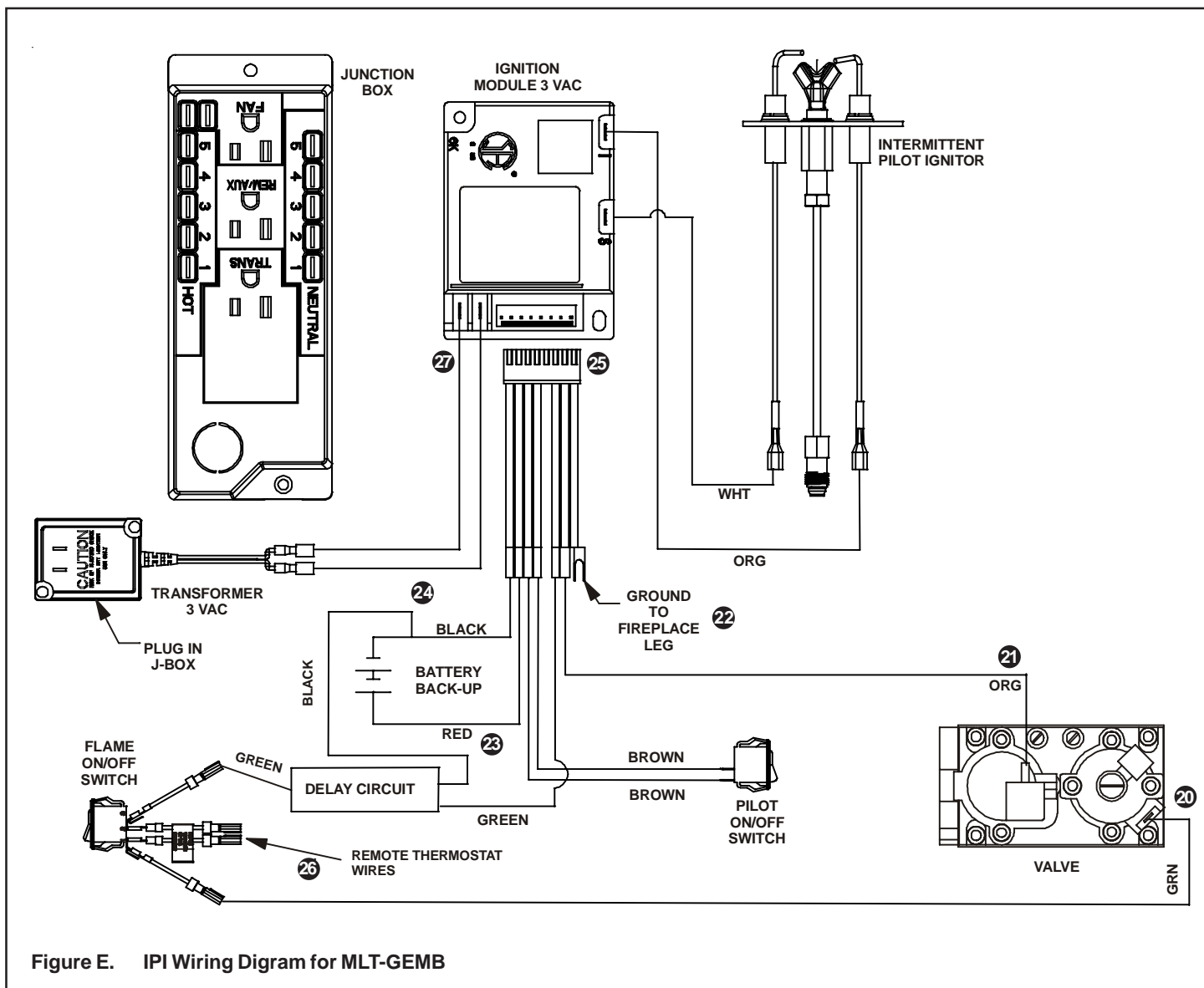


Figure E. IPI Wiring Diagram for MLT-GEMB

## Reconnecting the new IPI wire harness

20. Plug the green wire, labeled "Main", into the green terminal on the valve (see Figure E).
21. Plug the orange wire, labeled "Pilot", into the orange terminal on the valve (see Figure E).
22. Connect the black wire, labeled "GND", to the firebox leg with a screw (see Figure E).
23. Plug the red wire, labeled "+", into the red wire on the battery back-up (see Figure E).
24. Locate the spade that is attached to the 2 black wires. Plug the spade into the black wire on the battery back-up (see Figure E).
25. Connect the wire harness to the ignition module (see Figure E).
26. Connect thermostat wires to the red/brown remote thermostat wires (labeled).

## Starting the unit

27. Plug the 3V adapter into the ignition module (see Figure E).
28. Attach the new control panel to the unit with 2 screws (see Figure A).
29. Flip the pilot switch to "ON".
30. Flip the burner switch to "ON".

**Note:** There will be a 3 minute delay before the valve will send gas to the burner.

## Thermostat Operation

31. Use of a thermostat requires the pilot switch to be “ON”. After the initial ignition of the pilot AND subsequent 3 minute delay, the fireplace will turn on and off whenever the thermostat calls for heat.

## Connecting WSK-MLT

32. Follow wiring diagram (Figure F) when connecting the WSK-MLT.

