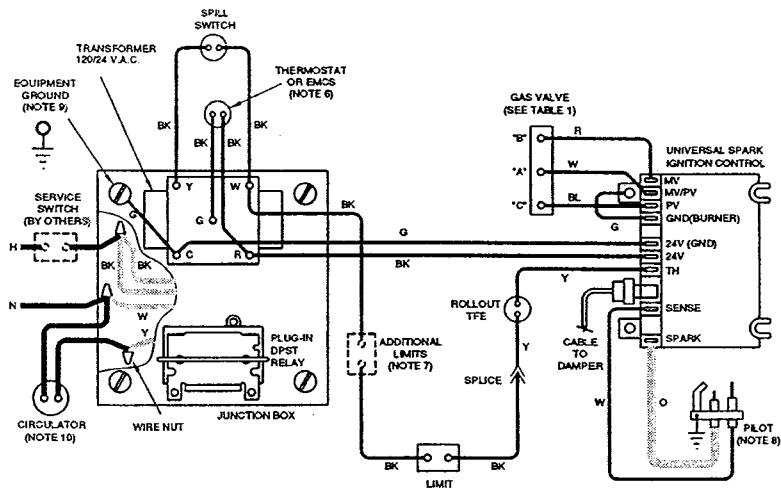
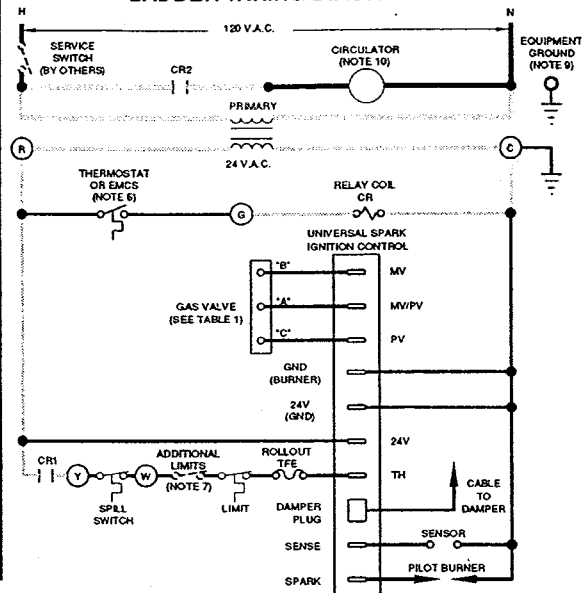


# WATER BOILER WITHOUT TANKLESS HEATER

## SCHEMATIC WIRING DIAGRAM

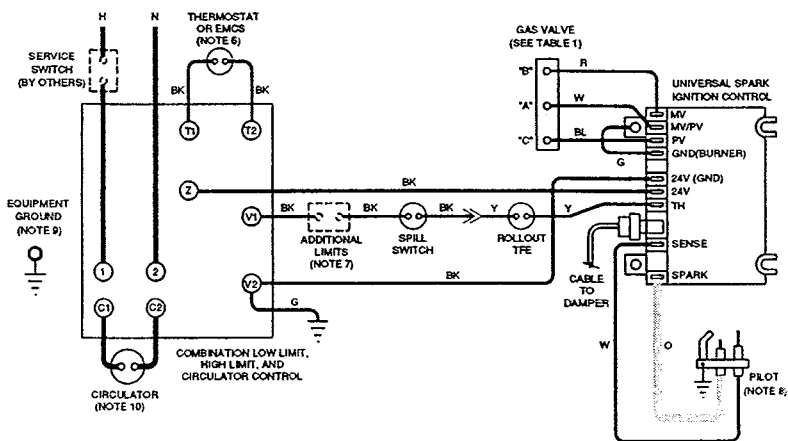


## LADDER WIRING DIAGRAM

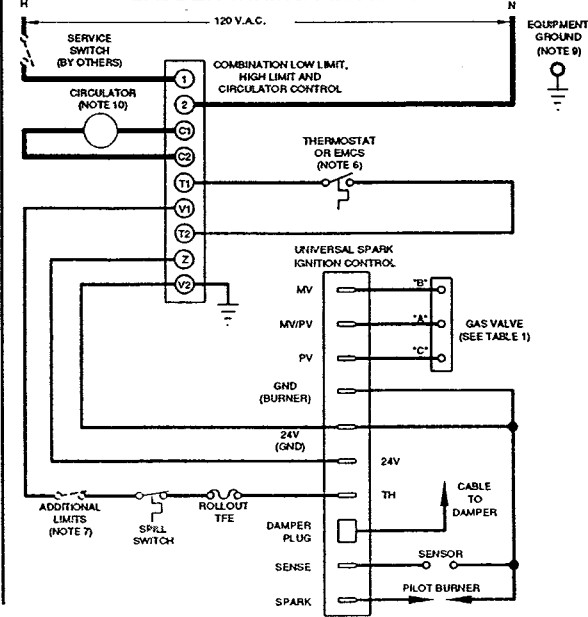


# WATER BOILER WITH TANKLESS HEATER

## SCHEMATIC WIRING DIAGRAM



## LADDER WIRING DIAGRAM



**EG**  
30 thru 75

- Intermittent Pilot
- Natural Gas
- Forced Hot Water
- With or Without Tankless Heater

## NOTES

### WARNING

ELECTRICAL SHOCK HAZARD. CAN CAUSE SEVERE INJURY OR DEATH. DISCONNECT POWER BEFORE INSTALLING AND/OR SERVICING.

- ALL WIRING MUST BE INSTALLED IN ACCORDANCE WITH:
  - U.S.A. - NATIONAL ELECTRICAL CODE AND ANY OTHER NATIONAL, STATE, OR LOCAL CODE REQUIREMENTS HAVING JURISDICTION.
  - CANADA - C.S.A. C22.1 CANADIAN ELECTRICAL CODE PART 1 AND ANY OTHER NATIONAL, PROVINCIAL, OR LOCAL CODE REQUIREMENTS HAVING JURISDICTION.
- ALL WIRING MUST BE:
  - U.S.A. - N.E.C. CLASS 1.
  - CANADA - C.S.A. C22.1 C.E.C. PART 1.
- IF ORIGINAL ROLLOUT TFE WIRE AS SUPPLIED WITH THE APPLIANCE MUST BE REPLACED, TYPE 200°C WIRE OR ITS EQUIVALENT MUST BE USED. IF OTHER ORIGINAL WIRE AS SUPPLIED WITH THE APPLIANCE MUST BE REPLACED, TYPE 105°C OR ITS EQUIVALENT MUST BE USED.
- REFER TO CONTROL COMPONENT INSTRUCTIONS PACKED WITH BOILER FOR APPLICATION INFORMATION.
- ALL CONTACTS SHOWN WITHOUT POWER APPLIED - OFF SHELF CONDITION.
- THERMOSTAT - FOR SINGLE ZONE SYSTEMS, THERMOSTAT ANTICIPATOR SETTING IS 0.40 AMPS FOR WATER WITHOUT TANKLESS OR 0.25 AMPS FOR WATER WITH TANKLESS. FOR MULTIPLE ZONE SYSTEMS USING ZONE VALVES OR CIRCULATORS, REFER TO COMPONENT MANUFACTURER'S INSTRUCTIONS FOR APPLICATION WIRING AND THERMOSTAT ANTICIPATOR SETTING. EMCS - FOR EMCS CONNECTION IN PLACE OF THERMOSTAT, REFER TO EMCS INSTALLATION/OPERATING MANUAL.
- L.W.C.O., ADDITIONAL, HIGH LIMIT, WIRED IN SERIES.
- PILOT LEADWIRES ARE NOT FIELD REPLACEABLE. REPLACE PILOT ASSEMBLY IF NECESSARY.
- ⊕ DENOTES FIELD INSTALLED CHASSIS GROUND.
- NOT REQUIRED WITH GRAVITY HOT WATER.

TABLE 1: GAS VALVE TERMINAL DESIGNATIONS

GAS VALVE MODEL	"A"	"B"	"C"
HONEYWELL VR8440	TR	TH	TH-TR
HONEYWELL VR8204, VR8304	MV/PV	MV	PV
WHITE-RODGERS 36E	2	1	3
WHITE-RODGERS 36C	2-4	1	3
ROBERTSHAW 7200	C	M	P

\* FACTORY JUMPED

LOW VOLTAGE FIELD  
HIGH VOLTAGE FIELD  
LOW VOLTAGE FACTORY  
HIGH VOLTAGE FACTORY  
IGNITION CABLE

**WEIL-McLAIN**

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Michigan City, Indiana 46360

PART NUMBER 550-224-099/0392WM