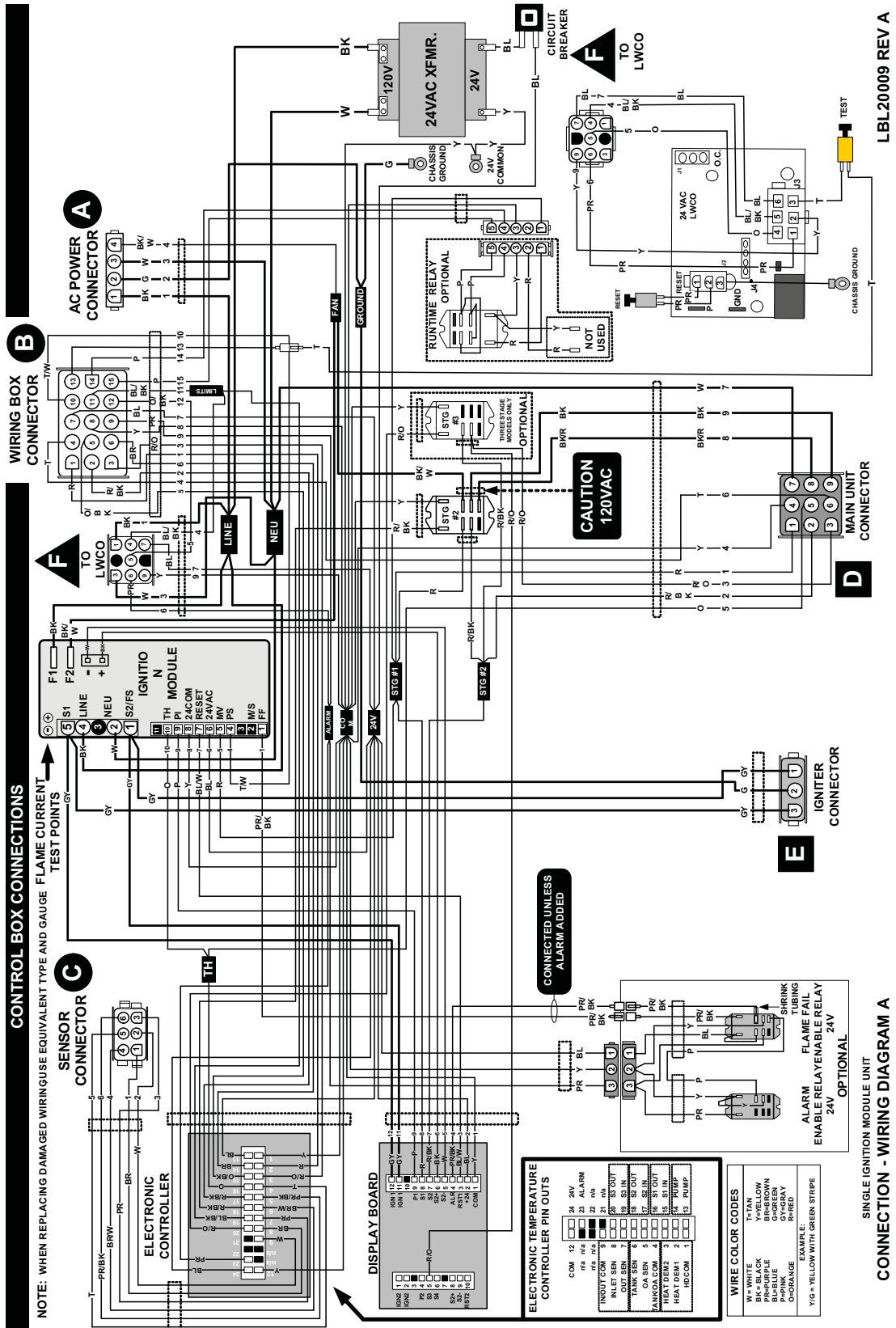


COPPER-FIN II® WATER HEATERS/BOILERS WIRING DIAGRAMS

WIRING BOX CONNECTIONS - WIRING DIAGRAM A

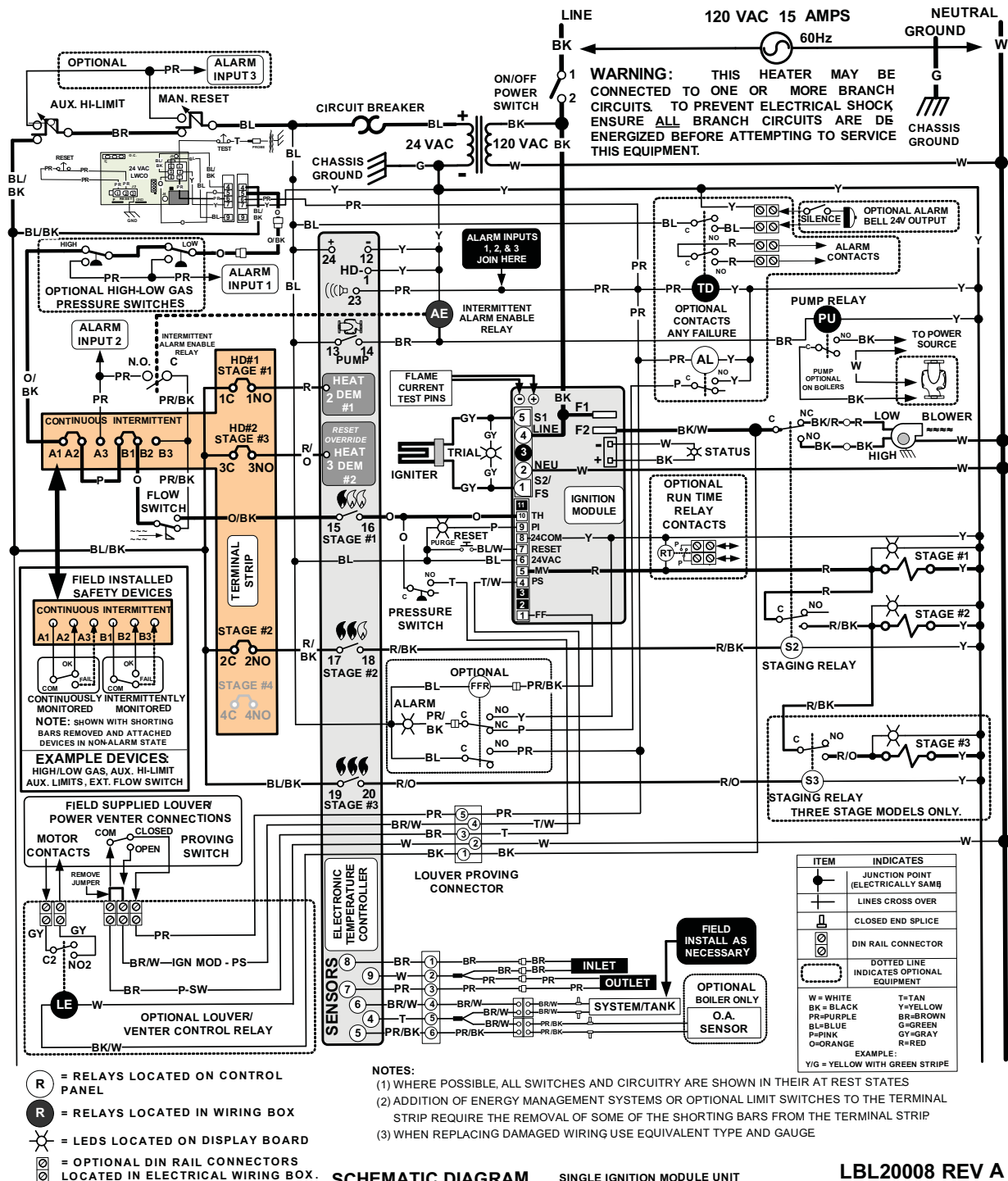
MODELS 399,999 - 750,000 BTU / HR



SINGLE IGNITION MODULE UNIT CONNECTION - WIRING DIAGRAM A

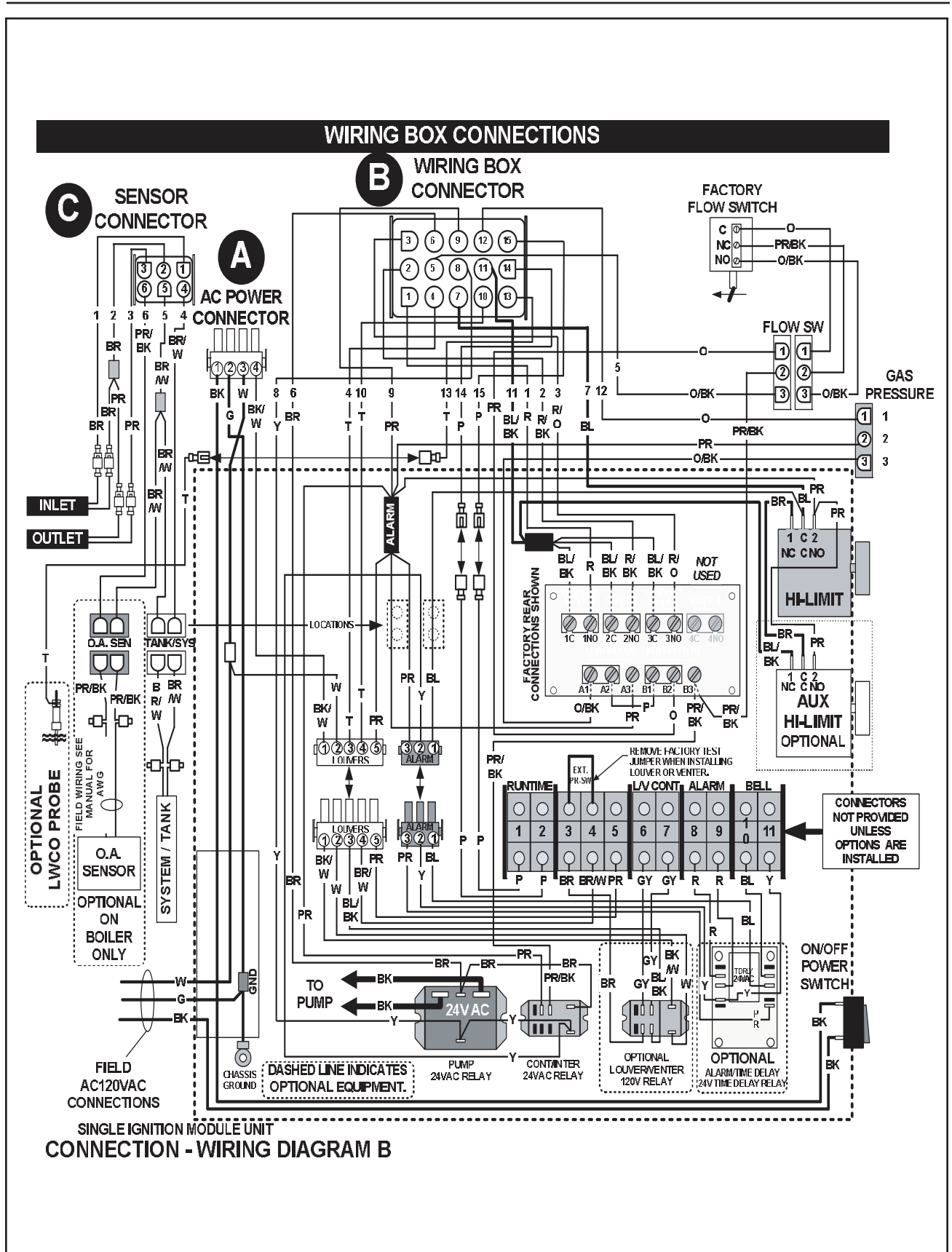
SCHEMATIC DIAGRAM

MODELS 399,999 - 750,000 BTU / HR



LBL20008 REV A

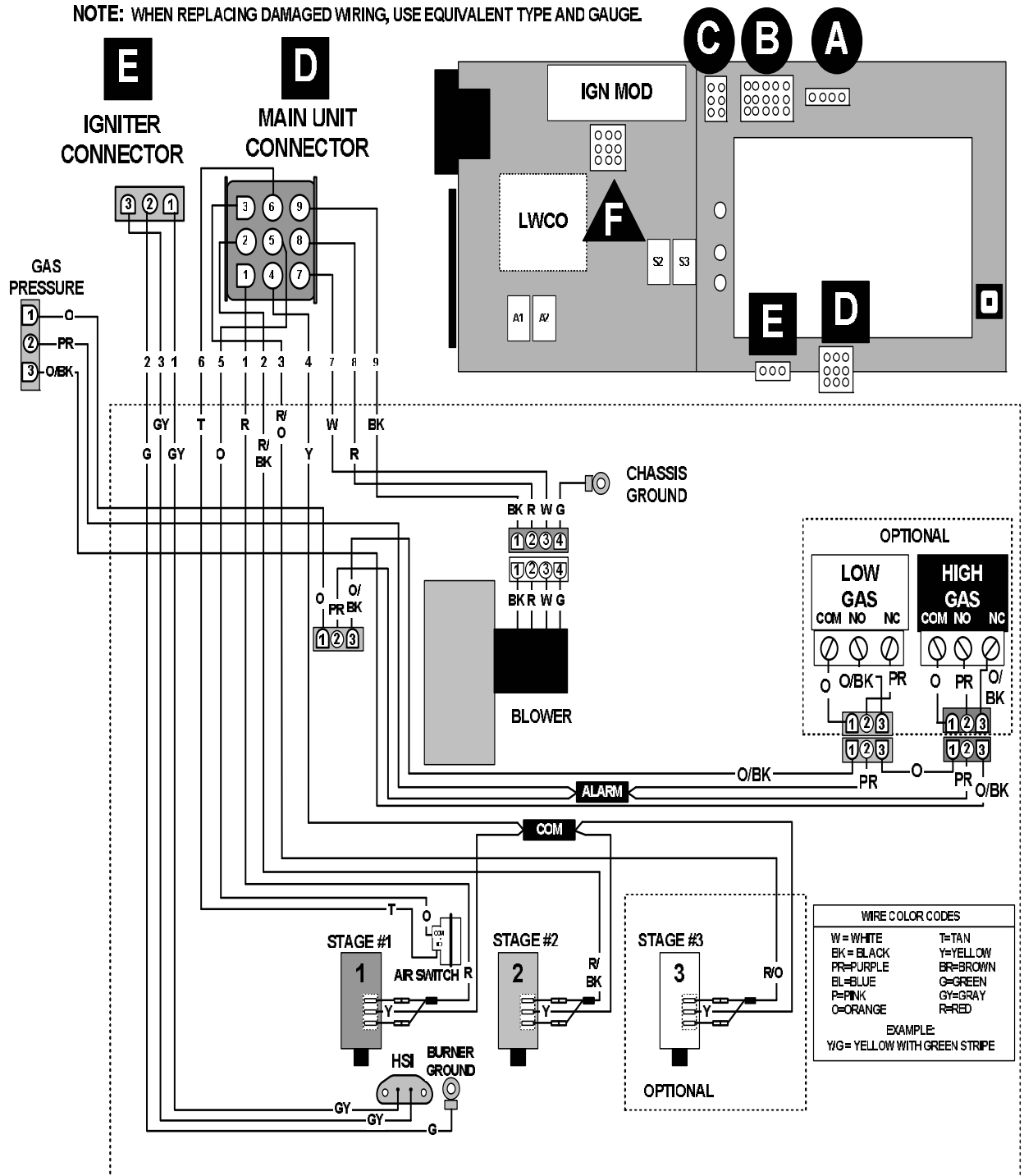
WIRING BOX CONNECTIONS - WIRING DIAGRAM B **MODELS 399,999 - 750,000 BTU / HR**



WIRING BOX CONNECTIONS - WIRING DIAGRAM B (CONTINUED) **MODELS 399,999 - 750,000 BTU / HR**

MAIN UNIT CONNECTIONS

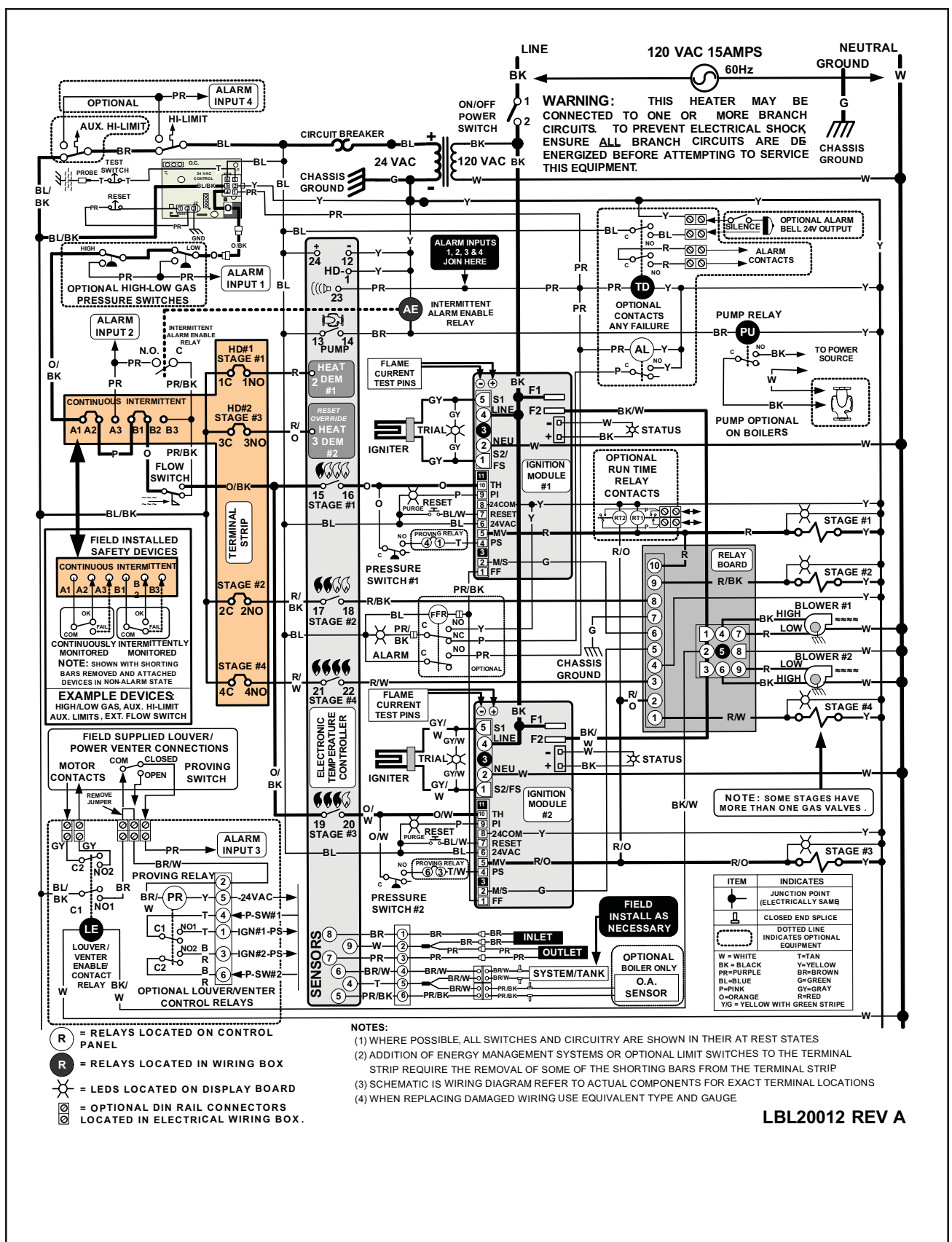
NOTE: WHEN REPLACING DAMAGED WIRING, USE EQUIVALENT TYPE AND GAUGE.



LBL2217 Rev-

SCHEMATIC DIAGRAM

MODELS 990,000 - 2,070,000 BTU / HR



WIRING BOX CONNECTIONS - WIRING DIAGRAM A MODELS 990,000 - 2,070,000 BTU / HR

CONTROL BOX CONNECTIONS

WIRING BOX CONNECTOR

AC POWER CONNECTOR

CIRCUIT BREAKER

TO LWCO

TEST

CHASSIS GROUND

RESET

24VAC LWCO

OPTIONAL RUNTIME STG.3

OPTIONAL RUNTIME STG.2

OPTIONAL RUNTIME STG.1

CHASSIS GROUND

RESET

24VAC LWCO

OPTIONAL RUNTIME STG.3

OPTIONAL RUNTIME STG.2

OPTIONAL RUNTIME STG.1

CHASSIS GROUND

RESET

24VAC LWCO

OPTIONAL RUNTIME STG.3

OPTIONAL RUNTIME STG.2

OPTIONAL RUNTIME STG.1

CHASSIS GROUND

RESET

24VAC LWCO

OPTIONAL RUNTIME STG.3

OPTIONAL RUNTIME STG.2

OPTIONAL RUNTIME STG.1

CHASSIS GROUND

RESET

24VAC LWCO

OPTIONAL RUNTIME STG.3

OPTIONAL RUNTIME STG.2

OPTIONAL RUNTIME STG.1

CHASSIS GROUND

RESET

24VAC LWCO

OPTIONAL RUNTIME STG.3

OPTIONAL RUNTIME STG.2

OPTIONAL RUNTIME STG.1

CHASSIS GROUND

RESET

24VAC LWCO

OPTIONAL RUNTIME STG.3

OPTIONAL RUNTIME STG.2

OPTIONAL RUNTIME STG.1

CHASSIS GROUND

RESET

24VAC LWCO

OPTIONAL RUNTIME STG.3

OPTIONAL RUNTIME STG.2

OPTIONAL RUNTIME STG.1

CHASSIS GROUND

RESET

24VAC LWCO

OPTIONAL RUNTIME STG.3

OPTIONAL RUNTIME STG.2

OPTIONAL RUNTIME STG.1

CHASSIS GROUND

RESET

24VAC LWCO

OPTIONAL RUNTIME STG.3

OPTIONAL RUNTIME STG.2

OPTIONAL RUNTIME STG.1

CHASSIS GROUND

RESET

24VAC LWCO

OPTIONAL RUNTIME STG.3

OPTIONAL RUNTIME STG.2

OPTIONAL RUNTIME STG.1

CHASSIS GROUND

RESET

24VAC LWCO

OPTIONAL RUNTIME STG.3

OPTIONAL RUNTIME STG.2

OPTIONAL RUNTIME STG.1

CHASSIS GROUND

RESET

24VAC LWCO

OPTIONAL RUNTIME STG.3

OPTIONAL RUNTIME STG.2

OPTIONAL RUNTIME STG.1

CHASSIS GROUND

RESET

24VAC LWCO

OPTIONAL RUNTIME STG.3

OPTIONAL RUNTIME STG.2

OPTIONAL RUNTIME STG.1

CHASSIS GROUND

RESET

24VAC LWCO

OPTIONAL RUNTIME STG.3

OPTIONAL RUNTIME STG.2

OPTIONAL RUNTIME STG.1

CHASSIS GROUND

RESET

24VAC LWCO

OPTIONAL RUNTIME STG.3

OPTIONAL RUNTIME STG.2

OPTIONAL RUNTIME STG.1

CHASSIS GROUND

RESET

24VAC LWCO

OPTIONAL RUNTIME STG.3

OPTIONAL RUNTIME STG.2

OPTIONAL RUNTIME STG.1

CHASSIS GROUND

RESET

24VAC LWCO

OPTIONAL RUNTIME STG.3

OPTIONAL RUNTIME STG.2

OPTIONAL RUNTIME STG.1

CHASSIS GROUND

RESET

24VAC LWCO

OPTIONAL RUNTIME STG.3

OPTIONAL RUNTIME STG.2

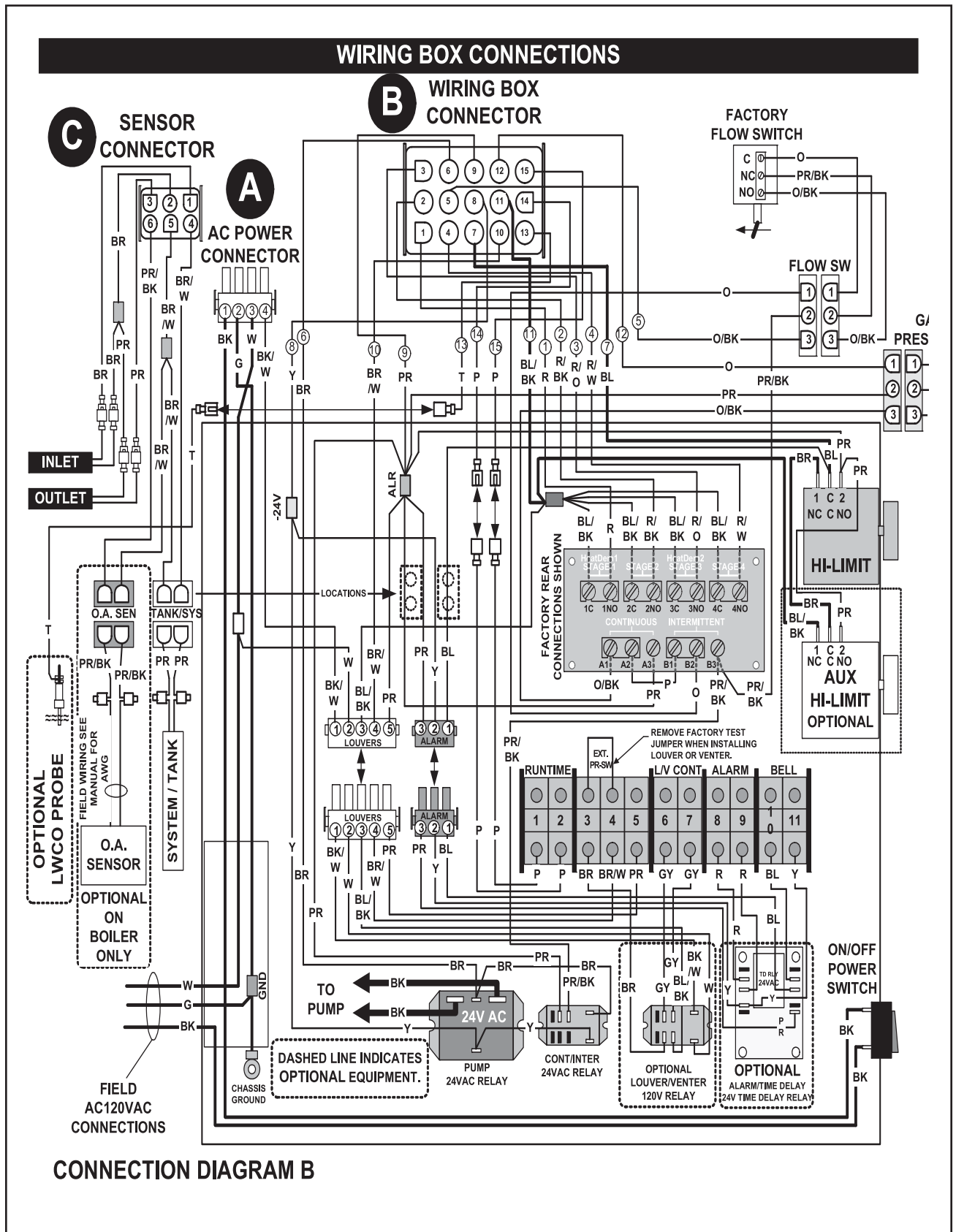
OPTIONAL RUNTIME STG.1

CHASSIS GROUND

RESET

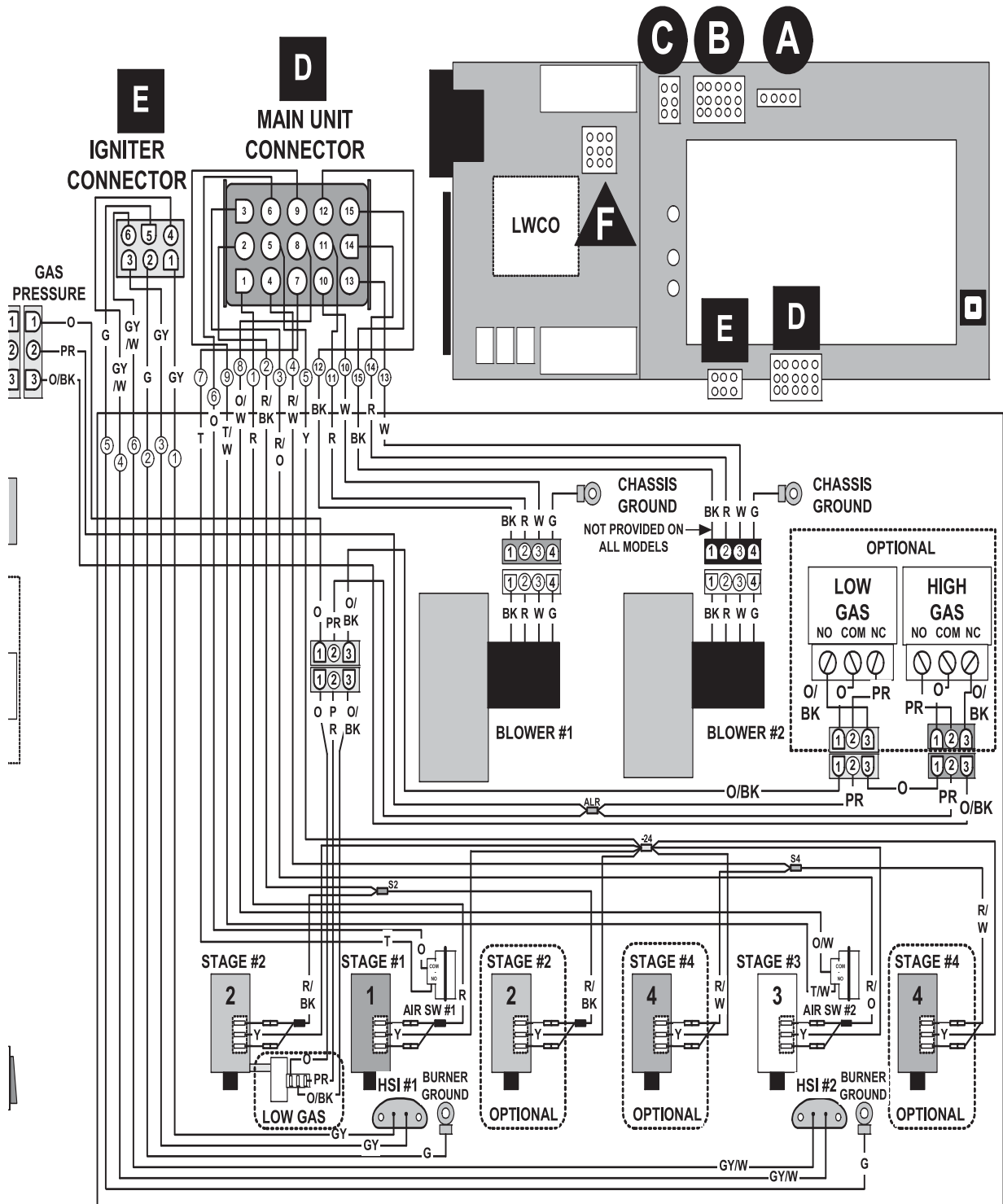
24VAC LWCO

WIRING BOX CONNECTIONS - WIRING DIAGRAM B **MODELS 990,000 - 2,070,000 BTU / HR**



WIRING BOX CONNECTIONS - WIRING DIAGRAM B (CONTINUED)
MODELS 990,000 - 2,070,000 BTU / HR

MAIN UNIT CONNECTIONS



LBL2183 Rev-