

# TECHNICAL BULLETIN

NUMBER

7

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Subject: CONTROL BOARD PART # 51018

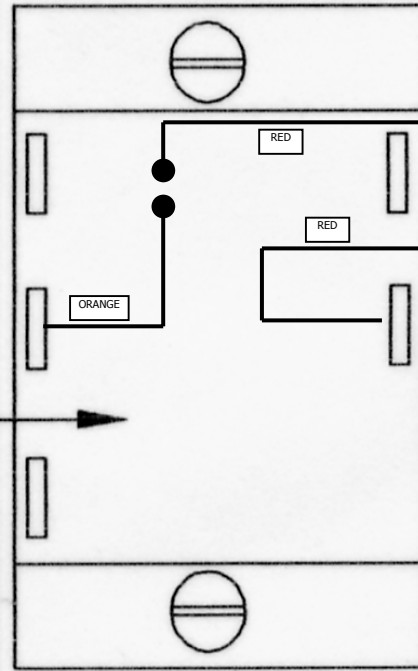
Date: October 17, 2001

Applies to: CBS 18 COFFEE BREWER AND TBS 21 TEA BREWER

THE CBS 18 / TBS 21 brewer was originally manufactured without a limit thermostat. The brewer has since been changed and is now manufactured with a 230° F. limit thermostat. Carefully review FIGURE 1 & 2 for proper installation of new control board.

*NOTE:* This is a blow-up of the relay block located in the upper left corner of the control board.

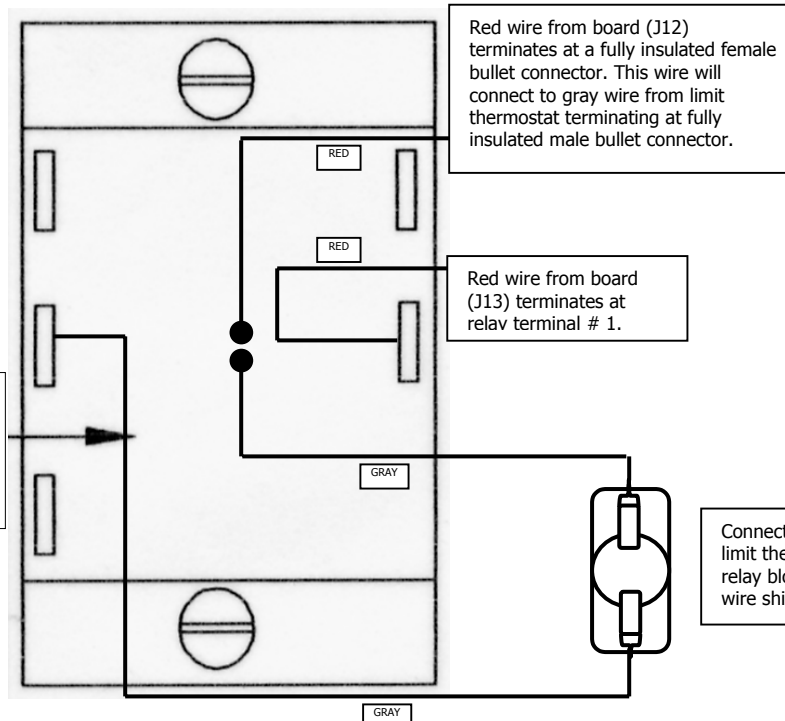
**FIG. 1**  
Wiring placement for brewer **WITHOUT** limit thermostat.



Red wire from board (J12) terminates at a fully insulated female bullet connector. This wire will connect to the orange jumper wire shipped with this control board. The orange jumper wire will then connect to terminal # 2 on relay block.

Red wire from board (J13) terminates at relay terminal # 1.

**FIG. 2**  
Wiring placement for brewer **WITH** limit thermostat.



Red wire from board (J12) terminates at a fully insulated female bullet connector. This wire will connect to gray wire from limit thermostat terminating at fully insulated male bullet connector.

Red wire from board (J13) terminates at relay terminal # 1.

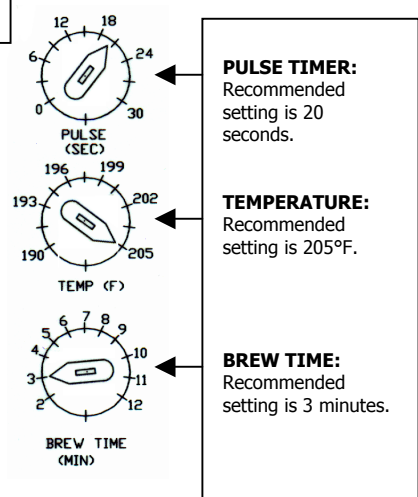
Connect remaining gray wire from limit thermostat to terminal #2 on relay block. Discard orange jumper wire shipped with control board.

This board is used in both the CBS 18 and the TBS 21. When installing this board it is important that the settings on this board are properly set for the brewer it is being installed into.

*NOTE:* Factory settings are indicated below.

**CBS 18**

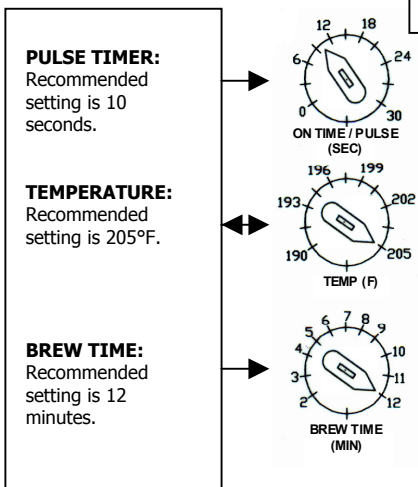
**FIG. 1**



**FIG. 2**

**TBS 21**

**FIG. 1**



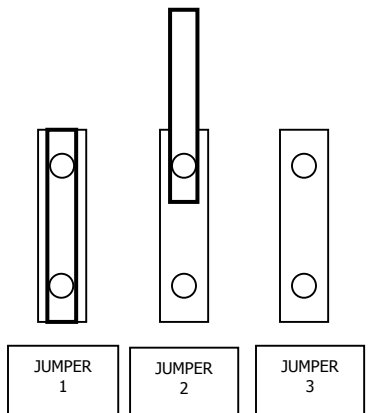
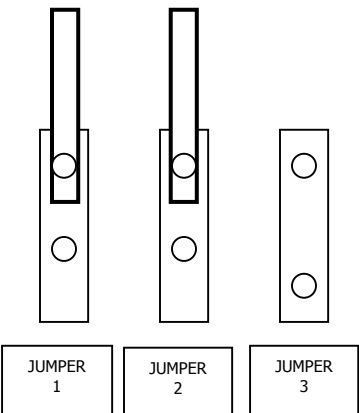
**FIG. 2**

**CBS 18 FACTORY SETTING JUMPERS**

JUMPER 1/ Board function: **OPEN**  
 JUMPER 2/ Pre-wet function: **OPEN**  
 JUMPER 3/ Not used

**TBS 21 FACTORY SETTING JUMPERS**

JUMPER 1/ Board function: **CLOSED**  
 JUMPER 2/ Pre-wet function: **OPEN**  
 JUMPER 3/ Not used.



**NOTE TO INSTALLER:** Set controls to these factory settings, or to customers specification.