

ED/DF

REPLACEMENT OF AGITATOR TIMER BOARD

This instruction sheet details the procedure for replacing IMI P/N 31763 (115V) and 32828 (220V) agitator timer board with a new agitator timer board that includes a built-in rectifier for all ED/DF ice-only and ice-beverage units. Instructions for replacing this newer style timer board are included as well. All necessary material to make the change, along with this bulletin, is included in a kit. The kits for the specific models and their contents are listed below.

ED/DF XXX 115V Kit No. 629087448		ED/DF XXX 220V Kit No. 629087451	
Agitator Timer Board	620314803	Agitator Timer Board	620314802
Fiber Barrier	620043004	Fiber Barrier	620043004

PROCEDURE FOR ED/DF 1XX UNITS

Disconnect power from the unit. Remove the merchandiser and access the electric box.

1. Disconnect all the terminals from the agitator timer board (**Figure 1**). Remove the timer board from the chassis and discard.
2. Install the new timer board supplied with this kit in the same position as the old board (**Figure 2**). Connect the wires as follows:

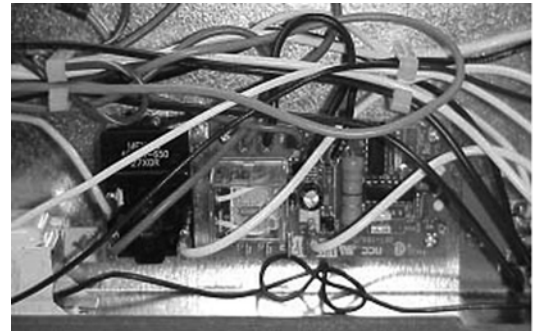


Figure 1: Timer Board

115V Connection		220V Connection	
Wire	Timer Board Location	Wire	Timer Board Location
Black from Terminal Board	L1 on Timer Board	Black from Terminal Board (4-conn.)	L1 on Timer Board
Black Jumper from L1	L1 N.O. on Timer Board	Black from Terminal Board (6-conn.)	L1 N.O. on Timer Board
Pink from Capacitor	L1 COM on Timer Board	Pink from Capacitor	L1 COM on Timer Board
Red from Terminal Board	L1 N.C. on Timer Board	Red from Rectifier/Dispense Switch	L1 N.C. on Timer Board
White from Terminal Board	L2 on Timer Board	White from Terminal Board	L2 on Timer Board

NOTE: New board terminals J9 & J10 are not utilized in replacement of older timer boards.

3. Verify that all the wire connections, screws, and nuts are secure. Dress all wires neatly in the wire clips. Adjust the timer pots to the correct settings depending on ice fill / ice type label on the unit. Close the electric box, install the merchandiser and apply power to the unit. Verify that the ice gate works and the agitator performs to the desired time settings.

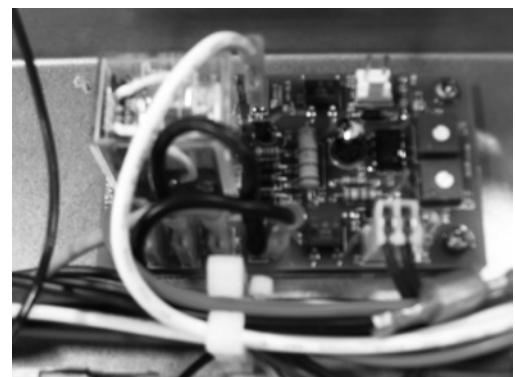


Figure 2: New Timer Board

PROCEDURE FOR ED/DF 300 UNITS

The procedure for an ED/DF 300 unit is the same as the ED/DF 1XX units with the following exceptions:

1. Due to the fact that there are two agitators in an ED/DF 300, there are two sets of connections.
2. The timer board wire connections are as follows:

115V Connection		220V Connection	
Wires for left agitator	Timer Board Location	Wires for left agitator	Timer Board Location
Black from the Right Terminal Board	L1 on Timer Board	Black from the Right Terminal Board (4-conn.)	L1 on Timer Board
Black Jumper from L1	L1 N.O. on Timer Board	Black from Left Terminal Board	L1 N.O. on Timer Board
Pink from Capacitor	L1 COM on Timer Board	Pink from Capacitor	L1 COM on Timer Board
Red from the Left Terminal Board	L1 N.C. on Timer Board	Red from the Left Rectifier	L1 N.C. on Timer Board
Wires for right agitator		Wires for right agitator	
White from the Right Terminal Board	L2 on Timer Board	White from the Right Terminal Board	L2 on Timer Board
Black from the Right Terminal Board	L2 N.O. on Timer Board	Black from the Right Terminal Board	L2 N.O. on Timer Board
Pink from Capacitor	L2 COM on Timer Board	Pink from Capacitor	L2 COM on Timer Board
Red from the Right Terminal Board	L2 N.C. on Timer Board	Red from the Right Rectifier	L2 N.C. on Timer Board

PROCEDURE FOR ED/DF 2XX UNITS

The procedure for an ED/DF 2XX unit is the same as the ED/DF 1XX units with the following exceptions:

1. Due to the fact the dispenser switch harness is wired through the rectifier instead of the terminal board (because of the presence of a motor start relay), the connections for the 2XX are slightly different.
2. The timer board wire connections are as follows:

115V Connection		220V Connection	
Wire	Timer Board Location	Wire	Timer Board Location
Black from Terminal Board	L1 on Timer Board	Black from Terminal Board (4-conn.)	L1 on Timer Board
Black Jumper from L1	L1 N.O. on Timer Board	Black from Terminal Board (6-conn.)	L1 N.O. on Timer Board
Red from Rectifier	L1 N.C. on Timer Board	Red from Rectifier	L1 N.C. on Timer Board
Red from Agitator Motor	L1 COM on Timer Board	Red from Agitator Motor	L1 COM on Timer Board
White from Terminal Board	L2 on Timer Board	White from Terminal Board	L2 on Timer Board

PROCEDURE FOR ED/DF XXX UNITS (REPLACING NEW STYLE BOARD WITH SAME)

Disconnect power from the unit. Remove the merchandiser and access the electric box.

1. Disconnect each terminal and jumper one at a time from timer board and connect to corresponding terminal on replacement board. Remove the timer board and insulator from the chassis and discard.
2. Install the insulator and timer board supplied with this kit in the same position as the removed board. Check wire connections per wiring diagram in e-box.
3. Verify that all the wire connections, screws, and nuts are secure. Adjust the timer pots to the correct settings depending on ice fill/ice type label on the unit. Close the electric box, install the merchandiser and apply power to the unit. Verify that the ice gate works and the agitator performs to the desired time settings.