

Kit 900923 - Drain Water Tempering Kit

for Models DH2000 and MD2000

Kit Parts:

Refer to the parts list below to ensure all the parts necessary for the installation are in your kit.

Item No.	Part No.	Description	Qty.
1	100734	BOLT, HEX HD. 1/4-20 X 1/2" SST	2
2	100209	NIPPLE, 1/2" NPT X CLOSE BRASS	1
3	105994	CLAMP, HOSE, M10, 14/27 SST, GEAR-TYPE	2
4	106026	WASHER, FLAT 1/4", SST	2
5	107340	CLAMP, HOSE M28, SST, GEAR-TYPE	2
6	107417	1/2" I.D RUBBER REINFORCED, 15" LG.	1
7	107419	BARB, HOSE ST., 1/2" NPT X 1/2" HOSE, BRASS	1
8	109886	VALVE, SOLENOID, 1/2" NPT 120VAC COIL	1
9	110551	BACK-FLOW, PREVENTER, 1/2" NPT BRONZE	1
10	110834	CONDUIT, 1/2", SEALTITE BLACK 26" LG.	1
11	110836	FITTING, STRAIGHT, 1/2" SEALTITE	2
12	114662	TIMER, INFITEC 30 SECOND	1
13	114695	INSTALLATION INSTRUCTIONS	1
14	0312146	BRACKET, VALVE FWR	1
15	333280	TEE, WELDMENT, 1-3/8" X 1/2" BARB X 1-3/8"	1
16	106482	WASHER, LOCK SPLIT 1/4" SST	2
17	100003	NUT, PLAIN 1/4-20 SST	2
18	115676	SCREW, 8-32 X 1" TRUSS HD. SST	1
19	419827	JUMPER WIRE #52	1
20	419828	JUMPER WIRE #3	1
21	419829	JUMPER WIRE #2	1



WARNING:

Electrocution or serious injury may result when working on an energized circuit.

Disconnect power at the main breaker or service disconnect switch before working on the circuit.

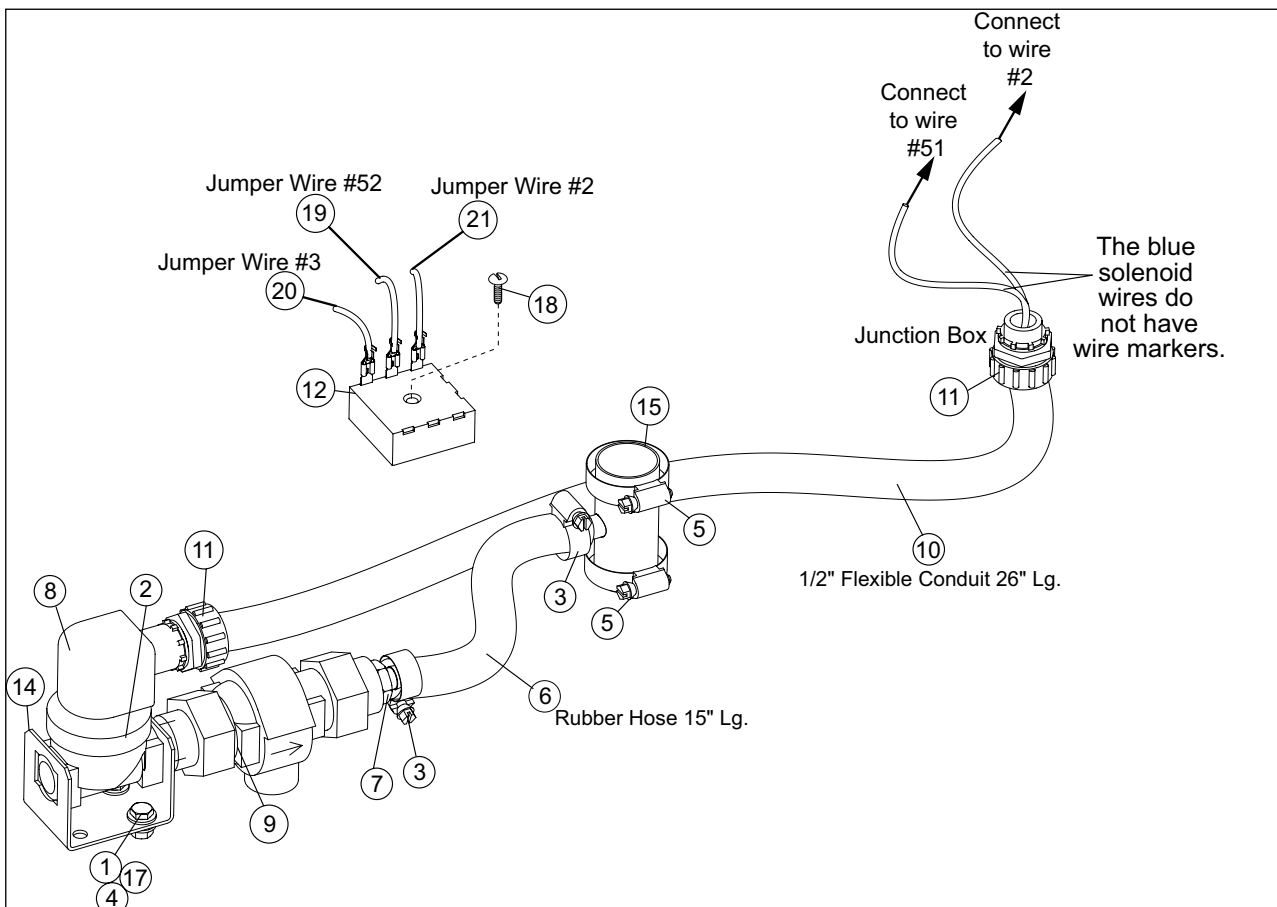
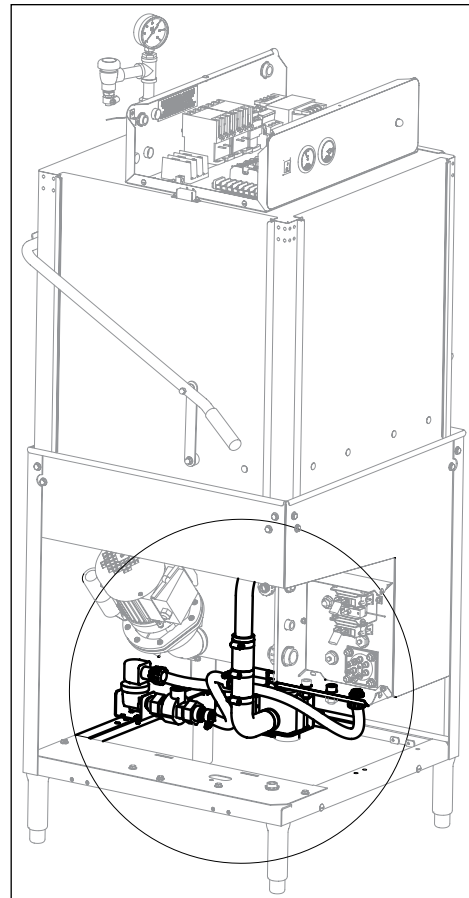
Lock-out and tag the breaker to indicate that work is being performed on the circuit.

INSTALLATION INSTRUCTIONS:

The kit is installed on the base of the machine as shown in the illustration at right.

Refer to the illustration below showing the kit part numbers given in parts list on page 1.

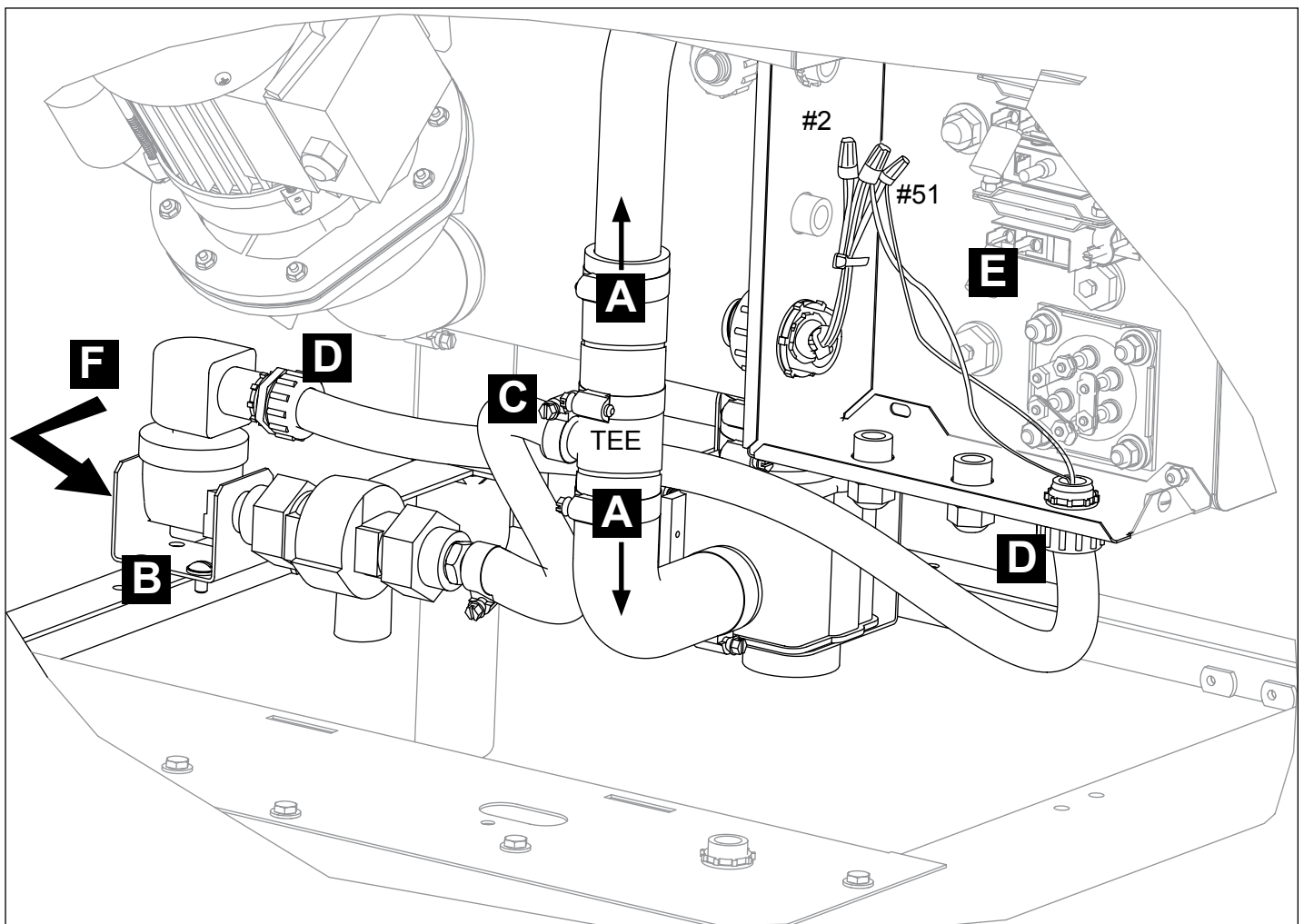
Follow the steps on pages 3-4 to install the kit.



Follow Steps 1-6 below:

1. Remove the existing hose connected on the overflow tube. Cut this hose in half. Install the Tee fitting with the perpendicular pipe-end facing the solenoid. Slide the hoses (A) in place and tighten.
2. Install the solenoid bracket (B) to the base of the machine in the holes provided. Use 1/4-20 bolts and mounting hardware supplied in the kit.
3. Connect the 1/2" rubber hose (C) to the Tee fitting that was installed in the overflow.
4. Assemble the sealtite conduit and connectors (D). Route the blue solenoid wires through the conduit. Attach the connectors (D) to the solenoid valve and the junction box (E).
5. In the lower junction box (E), locate a #2 and a #51 wire. Connect one blue solenoid wire to the #2 wire. Connect the other blue solenoid wire to the #51 wire. Close the junction box.
6. Connect a 1/2" cold water line to the inlet of the solenoid valve (F). If the incoming water pressure exceeds 60 PSI, the installation of a pressure regulating valve (PRV) before the solenoid is recommended. Adjust the cold water pressure to 25 PSI flowing pressure. It is recommended that a 1/2" or larger shut-off valve be installed before the PRV for servicing.

(continued on the next page)





WARNING:

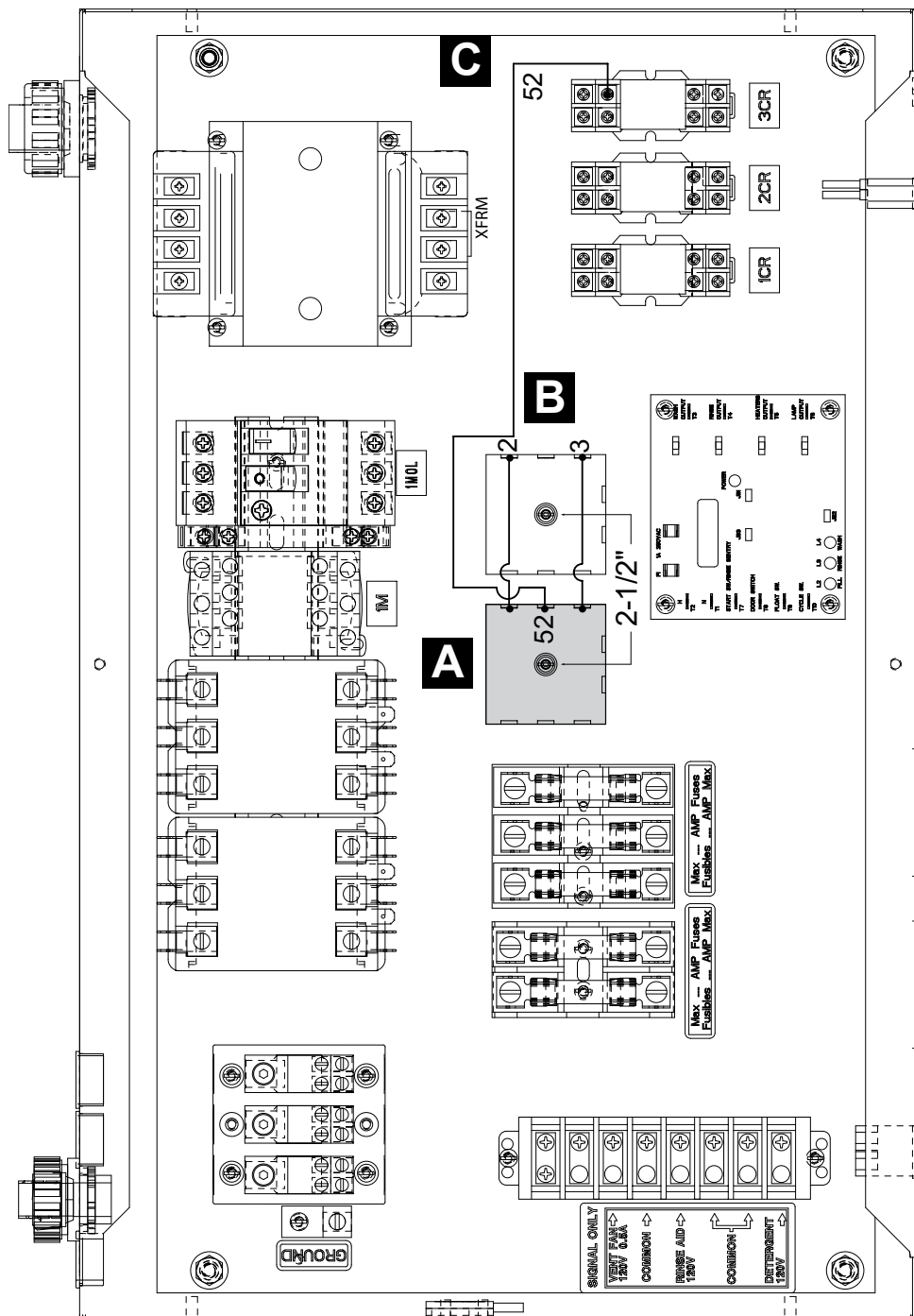
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Disconnect power at the main breaker or service disconnect switch before working on the circuit.

Lock-out and tag the breaker to indicate that work is being performed on the circuit.

Timer installation in the top-mounted control cabinet:

Follow the instructions below to install the timer and test the operation of the machine.



Remove the top-mounted control cabinet cover.

1. Mount the new kit timer (A) using the 8-32 x 1" Truss Hd. screw supplied.
2. Install Jumper Wires #2 and #3 from the existing timer (B) to the new timer (A) as shown.
3. Install Jumper Wire #52 (C) from timer (A) to relay 3CR as shown.
- D. Replace the cover.

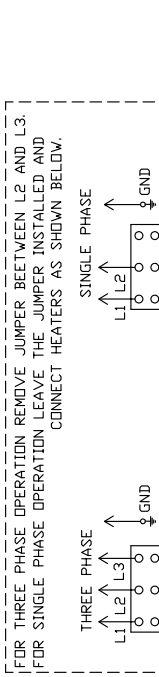
Test Operation:

1. Turn main power and water supplies to the machine ON.
2. Turn the dishwasher power switch ON. The machine will fill and the tempering solenoid valve will open and close when the machine is full.
3. The tempering valve should open during the final rinse & then close when the final rinse is complete.
4. Drain the dishwasher. The tempering valve will open for 30 seconds and then close.
5. Test complete.

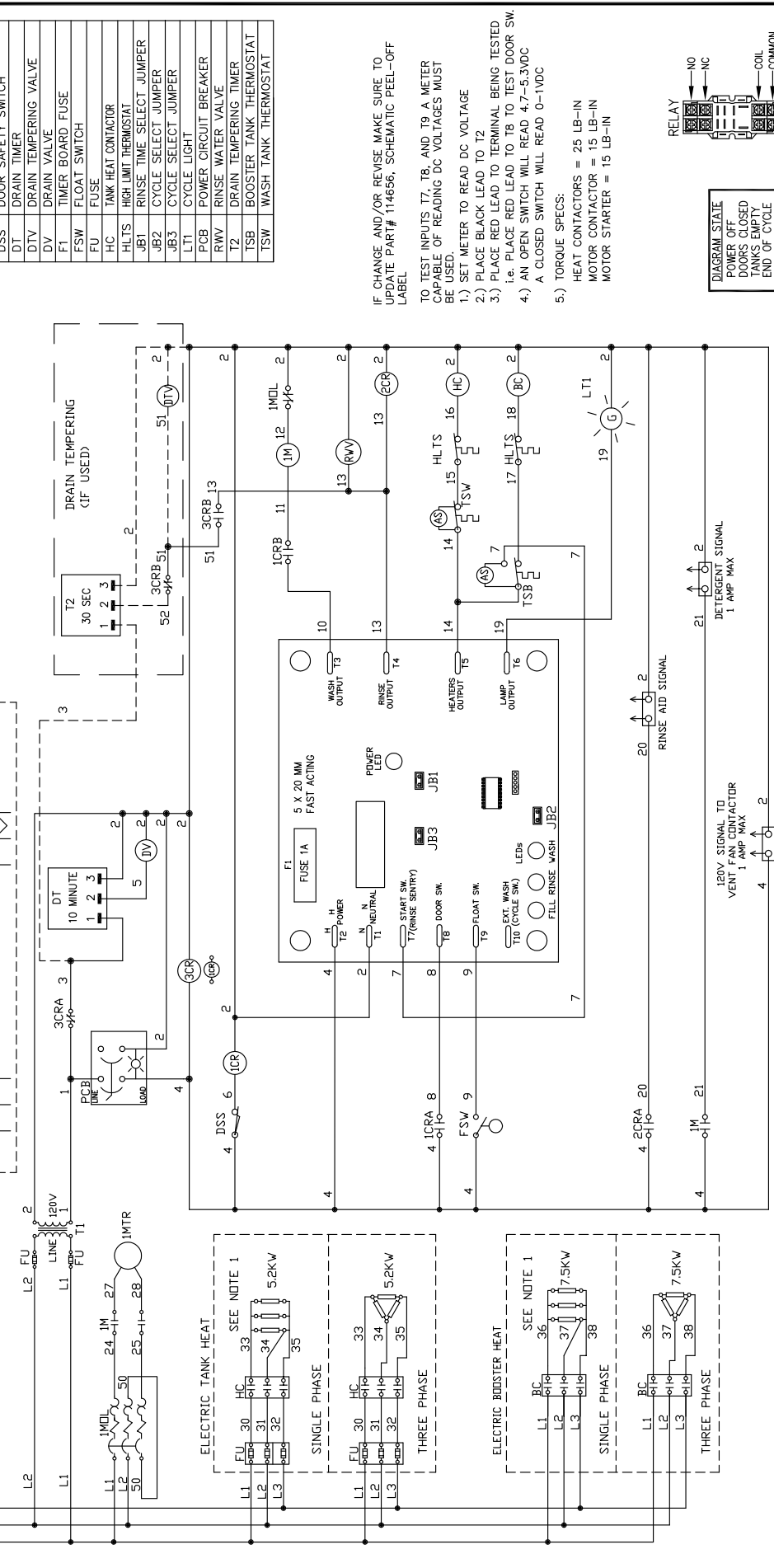
1CR	DOOR SWITCH RELAY
2CR	RINSE AID RELAY
3CR	DRAIN VALVE RELAY
1M	WASH MOTOR CONTACTOR
1MOL	WASH MOTOR OVERLOAD
AS	ARC SUPPRESSOR
BC	BOOSTER TANK CONTACTOR
DSS	DOOR SAFETY SWITCH
DT	DRAIN TIMER
DTV	DRAIN TEMPERING VALVE
DV	DRAIN VALVE
FSW	FLOAT SWITCH
FU	FUSE
HC	TANK HEAT CONTACTOR
HLTS	HIGH LIMIT THERMOSTAT
JB1	RINSE TIME SELECT JUMPER
JB2	CYCLE SELECT JUMPER
JB3	CYCLE SELECT JUMPER
LT1	CYCLE LIGHT
PCB	POWER CIRCUIT BREAKER
RWV	RINSE WATER VALVE
T2	RINSE TEMPERING TIMER
TSB	BOOSTER TANK THERMOSTAT
TSW	WASH TANK THERMOSTAT

! ATTENTION - VERY IMPORTANT ! - VERIFY CIRCUIT BOARD PART NUMBER AND JUMPER POSITION SETTINGS (JB1, JB2, JB3) PER MACHINE MODEL AND SERIAL NUMBER AS INDICATED IN TABLE BELOW. IMPROPER JUMPER SETTINGS MAY CAUSE ERRATIC OPERATION.

MODEL	MAXIMUM VOLTAGE	EXACT PART NUMBER	JUMPER SETTINGS
DH/MD2000	D09037592	114470	OPEN OPEN OPEN



208-240V 1 DR. 3 PHASE
 1 PHASE-CIRCUIT CAPACITY 80AMPS
 1 PHASE-MAX BREAKER 80AMPS
 3 PHASE-CIRCUIT CAPACITY 50AMPS
 3 PHASE-MAX BREAKER 50AMPS



DH/MD2000 DOOR MACHINE	
1 & 3 PHASE	REV. C
B	702119

Champlon
 The Dishwashing Machine Specialists

REV.	DESCRIPTION	DATE	BY
B	REVISED DRAIN TEMPERING CIRCUIT	18AUG09	JAM
C	ADDED TORQUE SPECS.	20NOV14	TU

CUSTOMER TO SUPPLY CYCLE VALVE PRESSURE AS SPECIFIED PER ORDER TO DISCONNECT SWITCH ALL POWER SUPPLIED TO EACH CONNECTION POINT ALL CONNECTIONS TO BE MADE IN ACCORDANCE WITH ALL LOCAL ELECTRICAL CODES
 DR BY J. MCALLISTER | SCALE | NONE
 DATE 30MARG9 | SHEET 1 OF 1

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