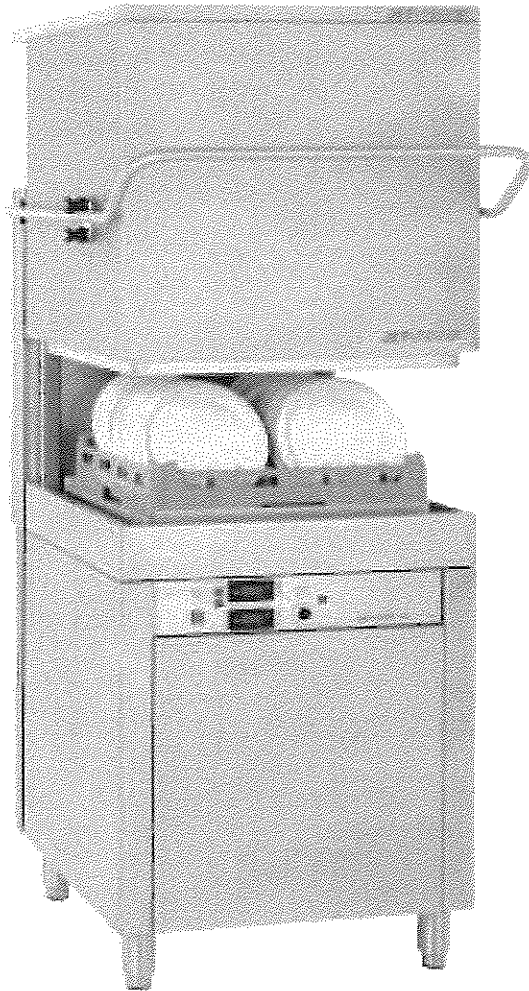


**747**



This dishwasher must be installed on a level, rigid, nonflammable surface. Ensure that the machine is level by installing the feet (shipped in the wash tank of the machine) and adjusting the levelling. Be sure to provide adequate space for water, drain and electrical connections.

### **WATER SUPPLY**

A ½" - 140°F (60°C) hot water line with 30 PSI flow pressure and shut-off valve is required. A pressure reducing valve\* may be required. The water inlet valve is located in the base of the machine and can be accessed from the front. A ½" flexible supply hose\* is recommended from the shut-off valve to the water fill valve on the dishwasher to facilitate maintenance and servicing of the machine. A 90° elbow adapter for the water inlet valve is furnished with the machine and can be found in the wash tank with the adjustable feet. There should be sufficient hose length to permit the machine to be pulled out for service.

### **DRAIN**

This dishwasher has a gravity drain. A 1.5" ID flexible drain hose\* is recommended to facilitate maintenance and servicing of the machine.

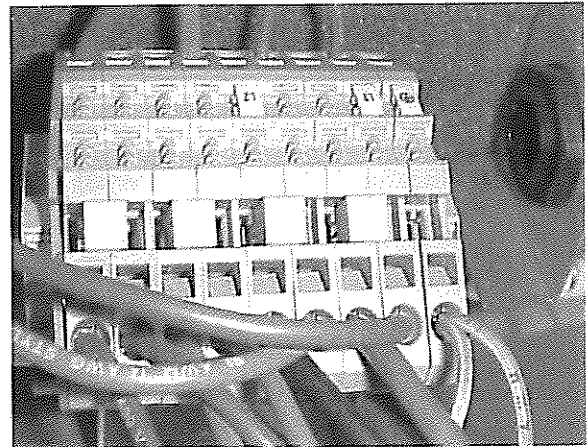
There should be sufficient hose length to permit the machine to be pulled out for service.

### **ELECTRICAL**

A 208-240 volt, 60 Hz circuit is required. This unit is available as single phase OR triple phase. Check the rating plate on the machine for the phase and amp draw. In spite of the fact that the rating plate shows 208 volts, the unit is designed function properly on 208 volts to 240 volts. The front lower panel must be removed for the electrical hook-up. The terminal block is located inside the base of the machine. Pass the cable through the cable strain relief at the back of the machine and connect the wires as follows:

**SINGLE PHASE** - Terminals L1 (brown wire), L2 (blue wire) & Ground (yellow & green wire).

**TRIPLE PHASE** - Terminals L1, L2, L3, & Ground (yellow & green wire).



### **IT IS IMPORTANT TO CHECK THE ROTATION OF THE PUMPS ON TRIPLE PHASE UNITS.**

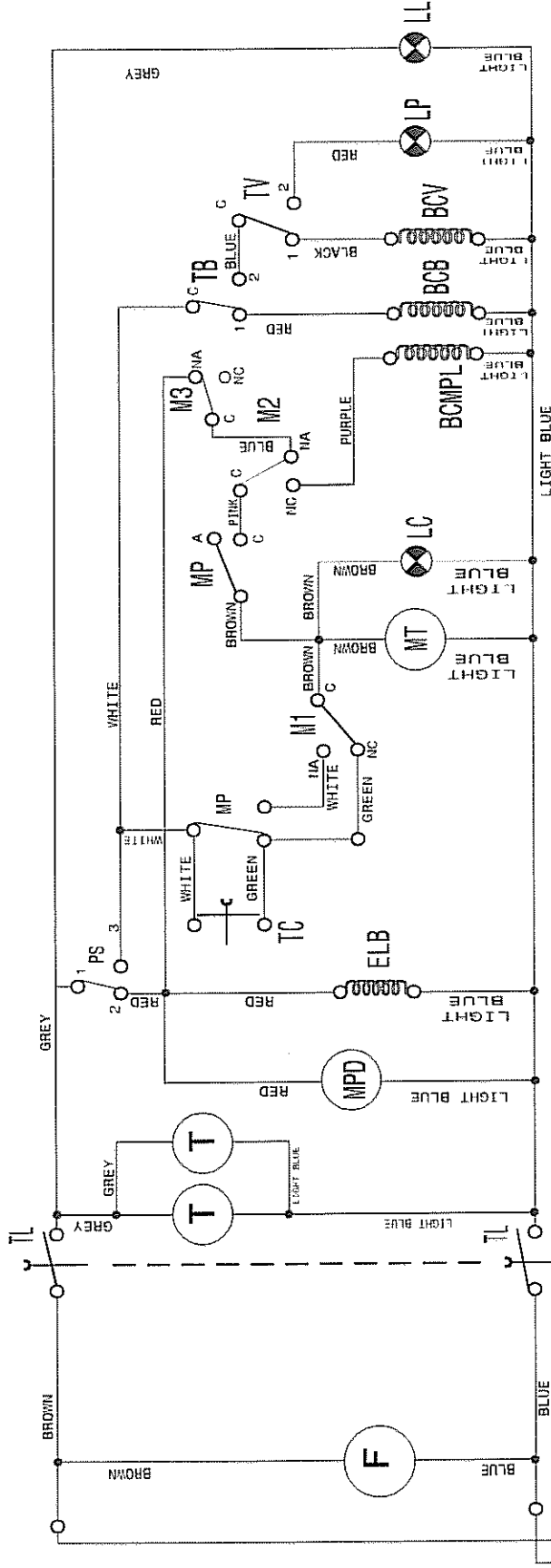
There should be sufficient cable length to permit the machine to be pulled out for service. **DO NOT TURN ON THE POWER TO THE MACHINE UNTIL THE WATER SUPPLY & DRAIN LINES HAVE BEEN CONNECTED.**

### **IMPORTANT NOTE**

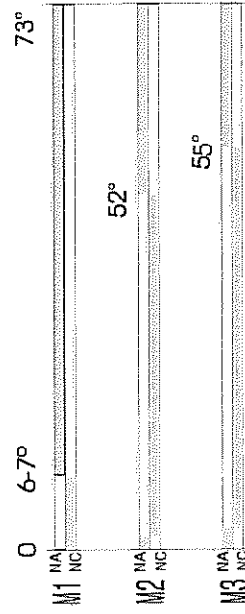
**Reasonable access to and around the machine for service must be provided. Disconnecting of hard plumbing or removal of dish tabling, etc., for servicing is not covered by warranty.**

\* - not supplied

**747 1 PHASE ELECTRICAL DIAGRAM**

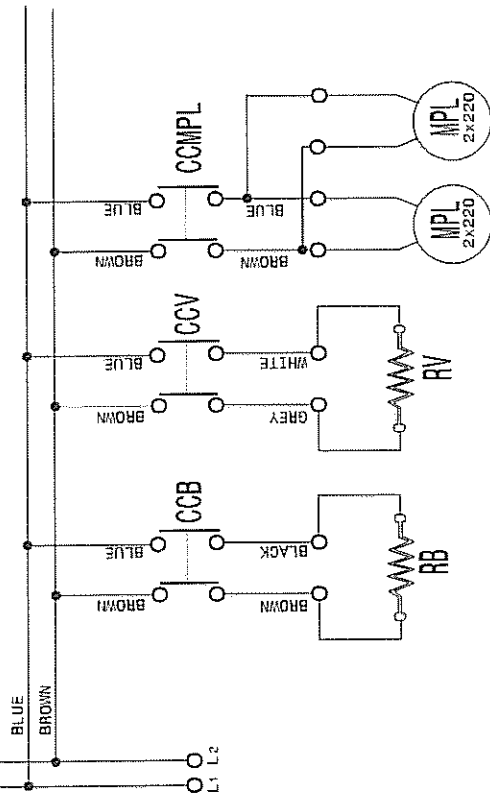


**TIMER PROGRAM**



**LEGEND**

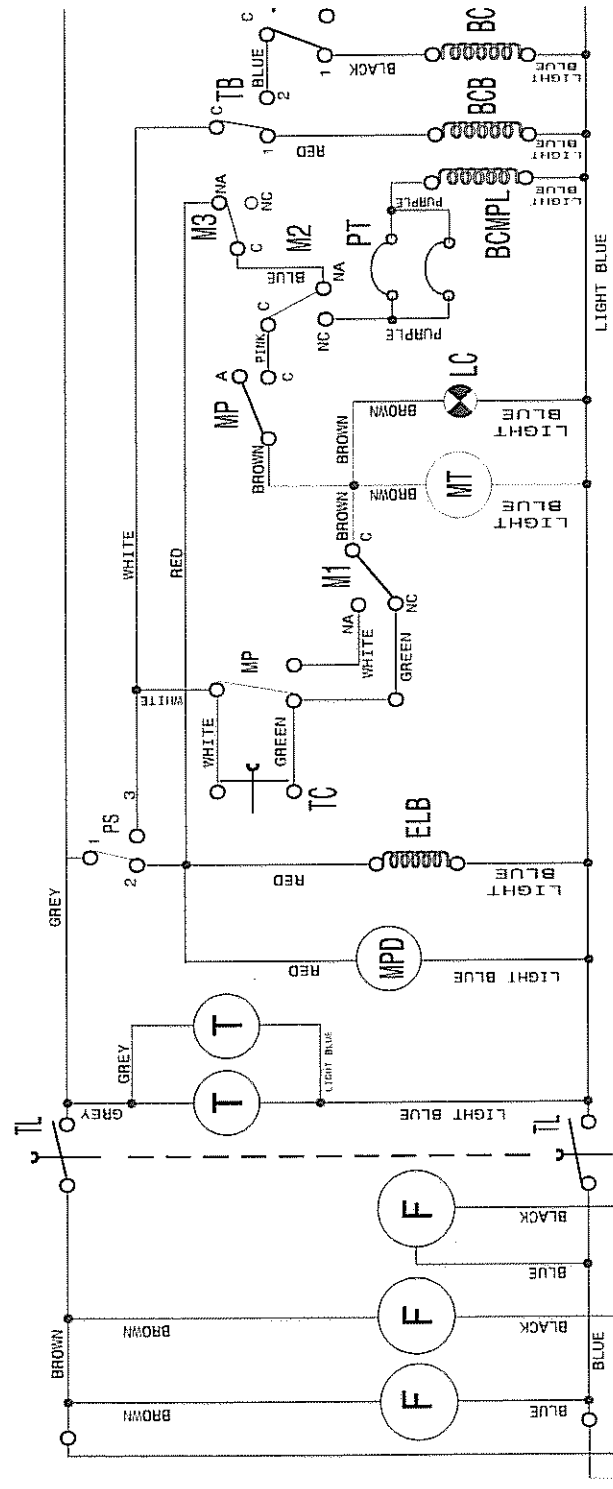
- |     |                           |       |                         |
|-----|---------------------------|-------|-------------------------|
| F   | AUDIO FILTER              | LL    | PILOT LIGHT POWER       |
| TL  | POWER SWITCH              | CCB   | BOOSTER CONTACTS        |
| PS  | PRESOSTAT                 | RB    | BOOSTER ELEMENT         |
| ELB | SOLENOID VALVE            | BCV   | TANK CONTACTOR COIL     |
| TC  | CYCLE SWITCH              | BCMPL | MPL CONTACTOR COIL      |
| MPD | DETERGENT PUMP            | CCV   | TANK CONTACTOR CONTACTS |
| MPL | WASH PUMP                 | CCMPL | MPL CONTACTOR CONTACTS  |
| MP  | DOOR SWITCH               | T     | DIGITAL THERMOMETER     |
| MT  | TYMER MOTOR               |       |                         |
| M1  | MICRO SWITCH              |       |                         |
| M2  | MICRO SWITCH              |       |                         |
| M3  | MICRO SWITCH              |       |                         |
| LC  | PILOT LIGHT CYCLE         |       |                         |
| FT  | PUMP THERMAL PROTECTION   |       |                         |
| TB  | BOOSTER THERMOSTAT        |       |                         |
| BCB | BOOSTER CONTACTOR COIL    |       |                         |
| TV  | TANK THERMOSTAT           |       |                         |
| RV  | TANK ELEMENT              |       |                         |
| LP  | PILOT LIGHT READY MACHINE |       |                         |



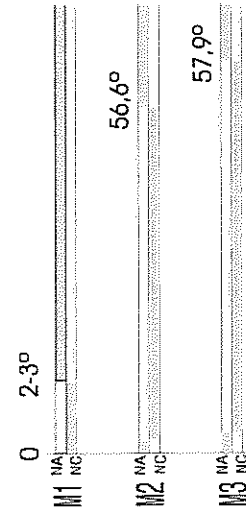
**JET-TECH**  
 7014 Cote De Liesse, Montreal, Que. H4T 1E7  
 ELECTRICAL SCHEMATICS 747 AUTOMATIC

AUG 18, 1998

**747 3 PHASE ELECTRICAL DIAGRAM**

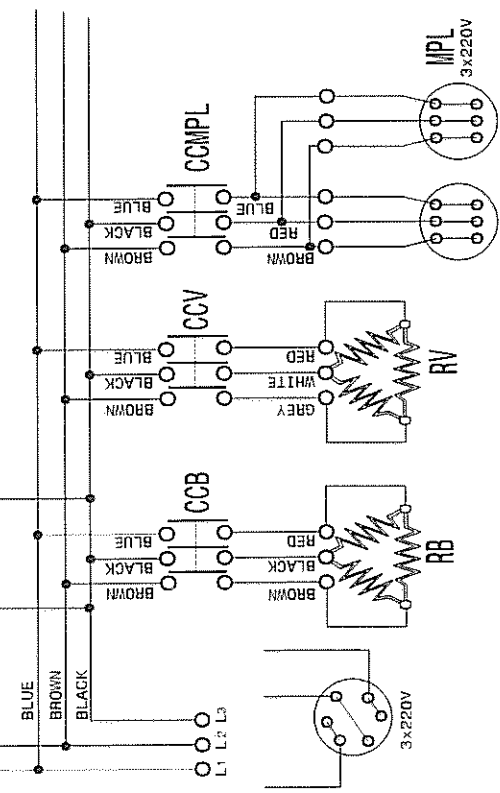


**TIMER PROGRAM**



**LEGEND**

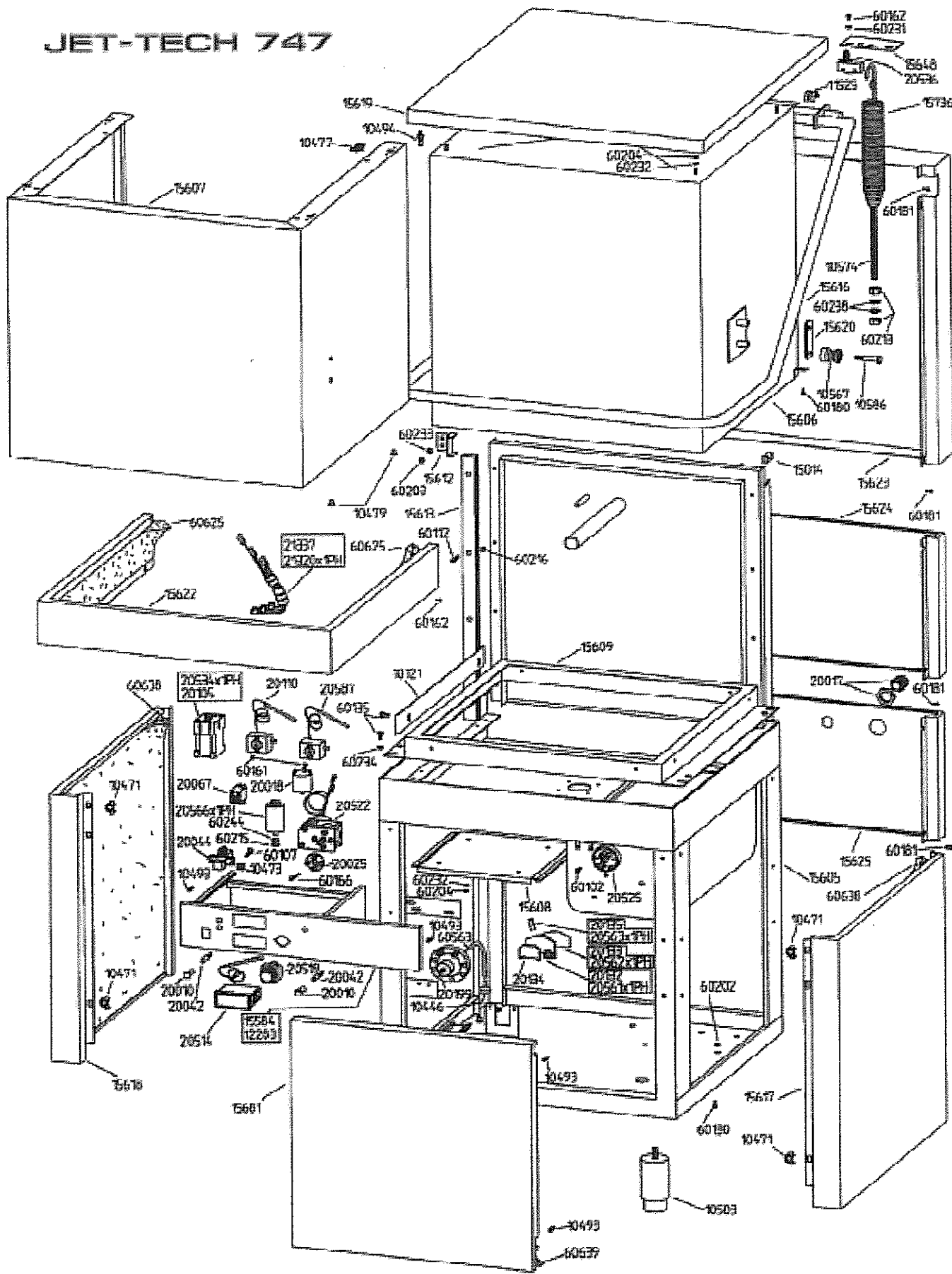
- F AUDIO FILTER
- TL POWER SWITCH
- PS PRESSOSTAT
- ELB SOLENOID VALVE
- TC CYCLE SWITCH
- MPD DETERGENT PUMP
- MPL DOOR SWITCH
- MP TYMER MOTOR
- MT MICRO SWITCH
- M1 MICRO SWITCH
- M2 MICRO SWITCH
- M3 MICRO SWITCH
- LC PILOT LIGHT CYCLE
- PT PUMP THERMAL PROTECTION
- LCMPL BOOSTER THERMOSTAT
- BCB BOOSTER CONTACTOR COIL
- TV TANK THERMOSTAT
- RV TANK ELEMENT
- LP PILOT LIGHT READY MACHINE
- LL PILOT LIGHT PC
- CCB BOOSTER CONT
- RB BOOSTER ELEM
- BCV TANK CONTACTO
- BCMPL MPL CONTACTO
- CCV TANK CONTACTO
- CCMPL MPL CONTACTO
- T DIGITAL THERM



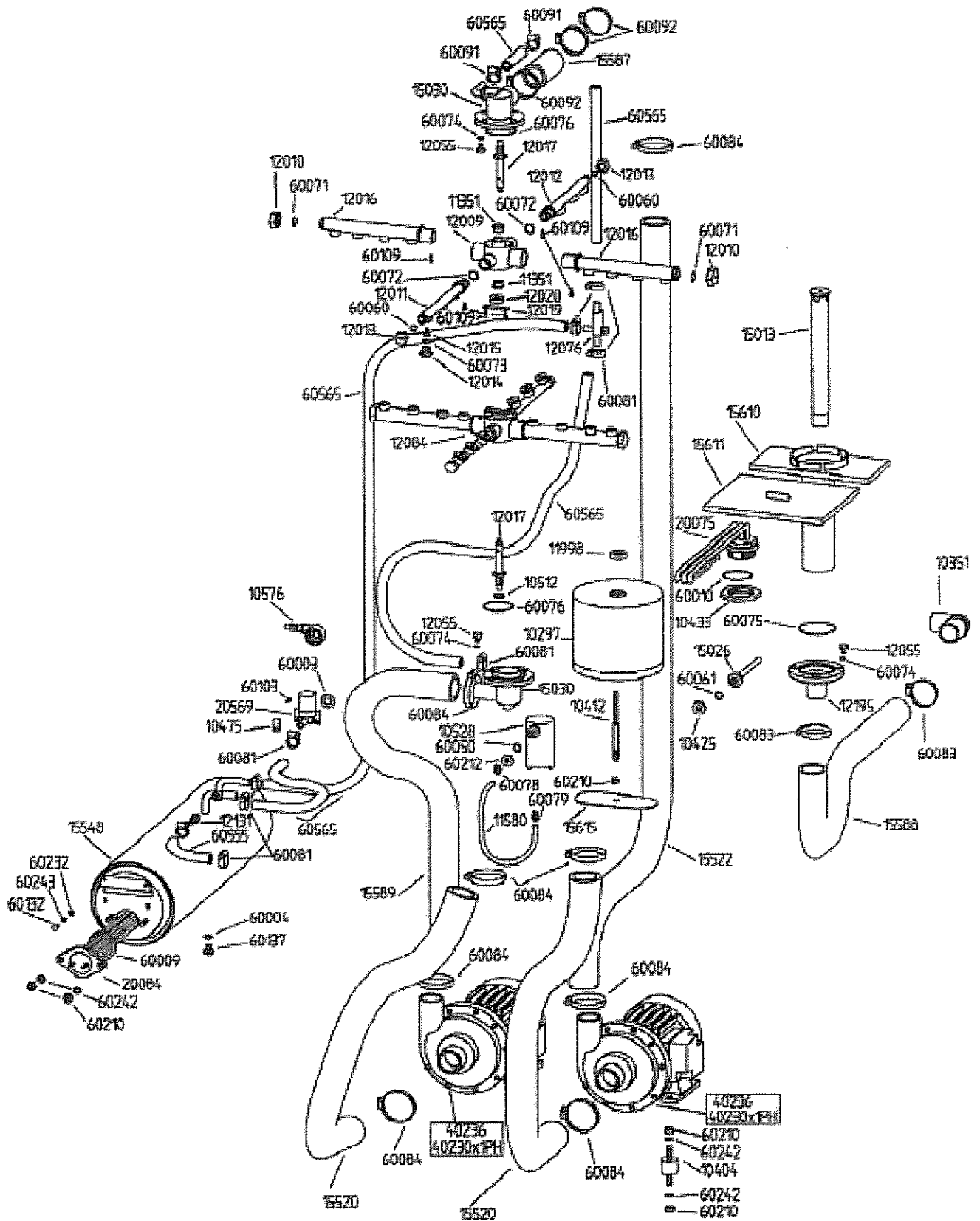
**JET-TECH**  
 7014 Côte De Liesse, Montreal, Que. H4T 1E7  
 ELECTRICAL SCHEMATICS 747 AUTOMATIC TRIFASE  
 AUG. 18, 1998

747 EXPLODED VIEW

JET-TECH 747



JET-TECH 747



## 747 PARTS LIST

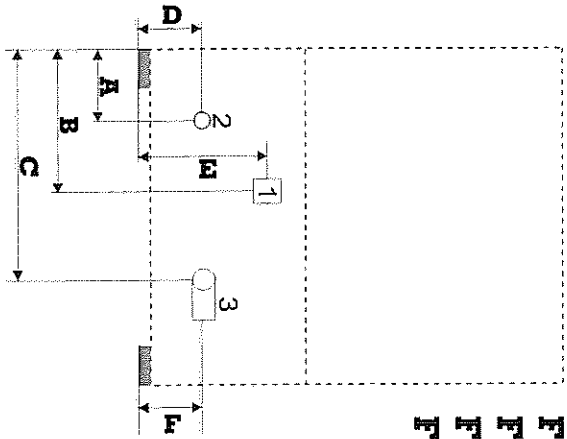
10121	GUIDE	15548	BOOSTER TANK
10297	PUMP FILTER	15584	PANEL
10350	CONNECTOR	15587	CONNECTOR TUBE
10351	CONNECTOR	15588	TUBE
10404	ANTI-VIBRATION	15589	TUBE
10412	ROD	15605	TANK WITH BASEMENT
10425	NUT	15606	INTERNAL WORKING PLAN
10433	NUT	15607	EXTERNAL WORKING PLAN
10446	RINSE AID FILTER	15608	PLATE
10471	SPRING	15609	CHASSIS
10473	SPRING	15610	FILTER
10475	SPRING	15611	FILTER
10477	SPRING	15612	SQUARE
10479	BUFFER	15613	WORKING PLAN GUIDE
10493	PIVOT	15615	SLOT
10494	PIVOT	15616	HANDLE
10502	ADJUSTABLE FOOT	15617	RIGHT LATERAL PANEL
10503	ADJUSTABLE FOOT	15618	LEFT LATERAL PANEL
10512	SPACER	15619	TOP
10528	AIR TRAP	15620	PLATE
10552	PLATE	15622	TANK COVER PANEL
10557	REGULATOR	15623	PANEL
10563	SPRING	15624	PANEL
10567	PULLEY	15625	PANEL
10576	NUT +RUBBER--CARRIER SOLENOID V.	15648	DOUBLE DOOR MICROPLATE
10586	PIVOT	15681	PANEL JET-TECH 747
10591	WASHER	15736	STAY
11351	BUSHING	20010	LENS
11525	SPACER	20017	FIXING CABLE
11580	PRESSURE SWITCH TUBE	20018	FILTER
11998	NUT	20025	TIMER BRACKET
12007	SUPPORT	20042	LIGHT
12009	HUB	20044	PUSH BUTTON
12010	PLUG	20067	RELAY 12A 230V
12011	RIGHT RINSE ARM	20075	WASH TANK ELEMENT 400V 4000W
12012	SUPERIOR RINSE ARM	20084	BOOSTER ELEMENT 400V 9000W
12013	PLUG	20105	CONTACTOR 220/240V 50/60Hz
12014	RINSE JET	20110	THERMOSTAT
12015	RINSE JET INSERT	20119	THERMOSTAT
12016	WASH ARM	20132	TERMINAL
12017	PIVOT	20133	PLATE 249--116
12019	PLATE	20199	RINSE AID PUMP
12020	NUT	20514	DIGITAL TEMP. DISPLAY
12021	CONNECTOR	20519	CYCLE START BUTTON
12055	SCREW	20522	TIMER 70" 18" 60Hz
12076	MANIFOLD	20525	PRESSURE SWITCH
12084	WASH/RINSE ARM	20534	CONTACTOR 220V 60Hz (17A)
12131	RUBBER-CARRIER	20536	DOOR MICROSWITCH UL DS 1200
12195	CONNECTOR	20543	TERMINAL BLOCK 747 3PH JET-TECH
12283	JET-TECH 747 DECAL	20544	TERMINAL BLOCK 747 JET-TECH
15013	DRAIN PLUG	20561	TERMINAL 6MM 782-601
15014	SPRING BUSHING	20562	TERMINAL 782-317
15026	CONNECTOR DIAMETER 7,5	20563	STAPLE 282-402
15030	KIT SUPERIOR SUPPORT ARM	20566	CAPACITOR 12,5MF 240 UL
15520	TUBE	20569	SOLENOID VALVE 1A 240V 60Hz UL
15522	TUBE	21320	WIRING HARNESS 747

## 747 PARTS LIST

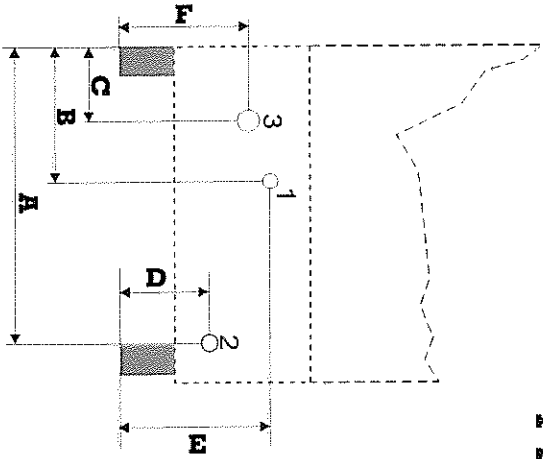
21337	WIRING HARNESS 747 3PH	60555	HOSE
30049	PE GRACK 20X20	60563	HOSE
30105	OPEN RACK 20X20	60565	HOSE
40230	MOTOR PUMP 220V 0.75HP 60Hz	60625	PANEL
40236	MOTOR PUMP 220V 0.75HP 60Hz 3PH	60638	PANEL
60003	GASKET	60639	PANEL
60004	GASKET 15x10x2		
60009	GASKET		
60010	ORING		
60050	ORING		
60060	ORING		
60061	ORING		
60071	ORING		
60072	ORING		
60073	ORING		
60074	ORING		
60075	ORING		
60076	ORING		
60078	CLAMP		
60079	CLAMP		
60081	CLIP		
60083	CLIP		
60084	CLIP		
60091	CLIP 12-20 A1S1 304		
60092	CLIP 32-50 A1S1 304		
60102	SCREW		
60103	SCREW		
60107	SCREW		
60109	SCREW		
60112	SCREW 5x25		
60130	SCREW		
60132	SCREW		
60135	SCREW		
60137	SCREW		
60139	SCREW		
60161	SCREW		
60162	SCREW		
60166	SCREW		
60180	SCREW		
60181	SCREW 4MAX10		
60185	RIVET		
60202	NUT		
60203	NUT		
60204	NUT		
60210	NUT		
60212	NUT		
60215	NUT		
60216	NUT M5		
60231	WASHER		
60232	WASHER		
60233	WASHER		
60234	WASHER		
60238	WASHER		
60242	WASHER		
60243	WASHER		
60244	WASHER		

**DIAGRAM FOR UTILITY CONNECTIONS**

**F 16  
F 16 DP  
F 18  
F 18 DP**

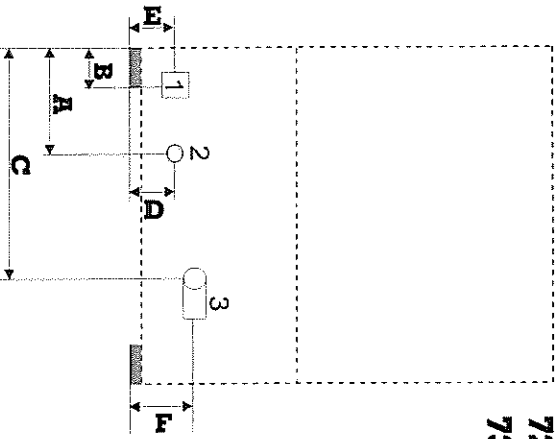


**F 20**

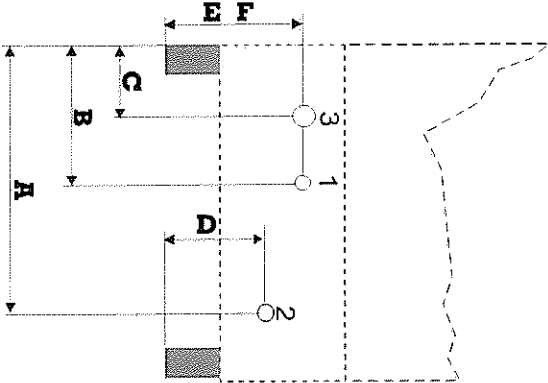


- ① **POWER SUPPLY**
- ② **WATER INLET**
- ③ **DRAIN OUTLET**

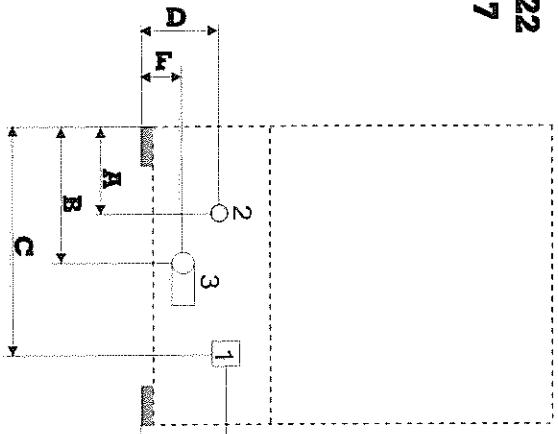
**727  
737**



**F 22  
747**

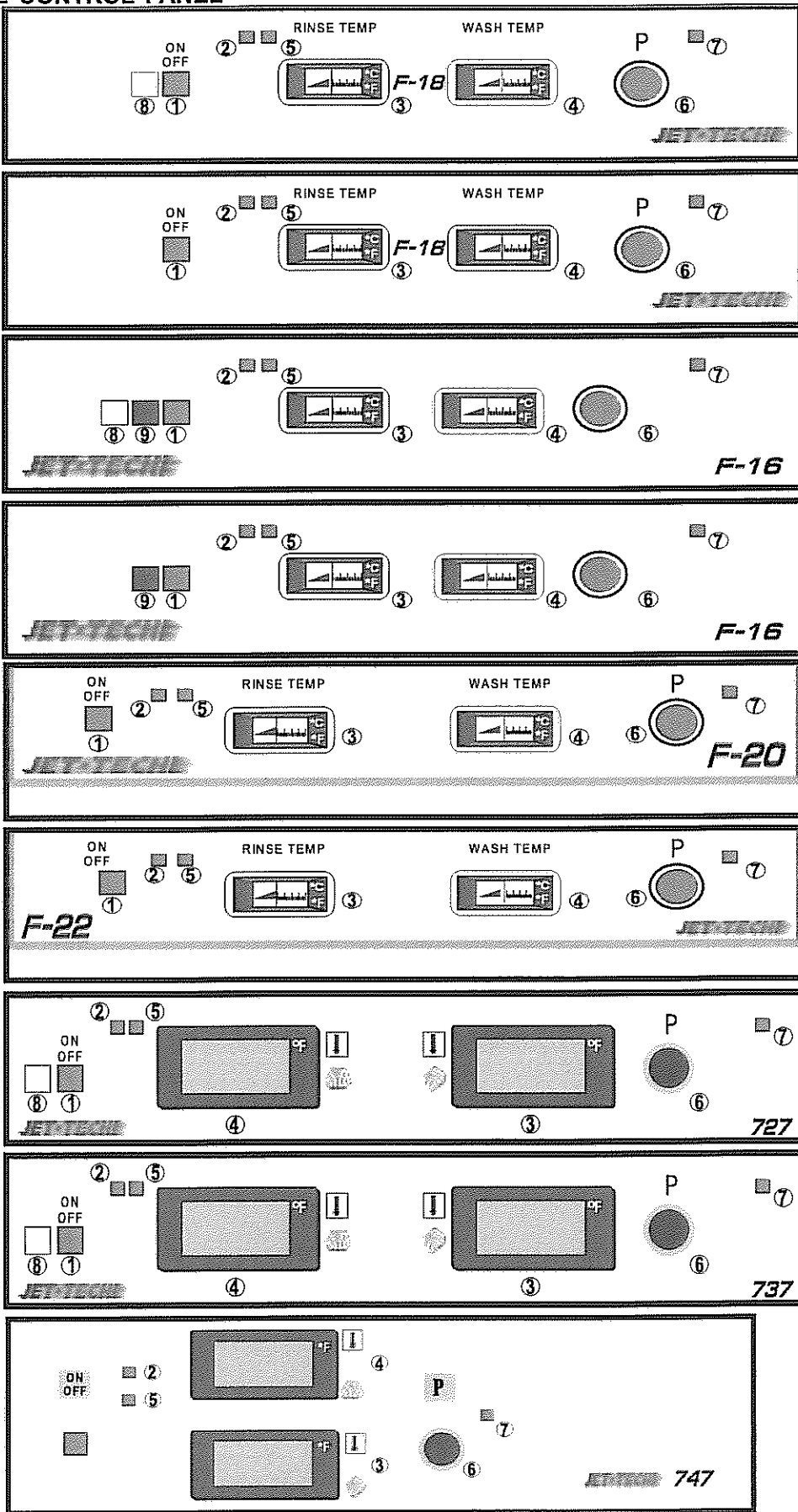


**PIPER**



# THE CONTROL PANEL

F-18 DP  
F-18  
F-16 DP  
F-16  
F-20  
F-22  
727  
737  
747



## LEGEND

- 1 Green Power Button Switch
- 2 Power ON Indicator Light
- 3 Rinse Temperature Gauge
- 4 Wash Temperature Gauge
- 5 "READY" Indicator Light
- 6 Cycle Start Button
- 7 Cycle Indicator Light
- 8 White Drain Pump Button
- 9 Black Warm Rinse Button

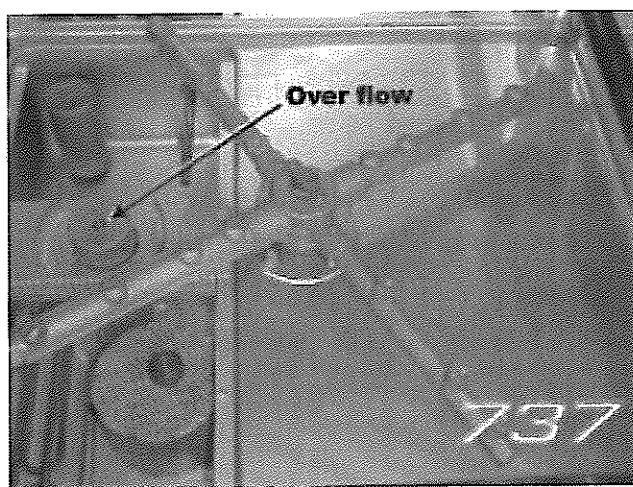
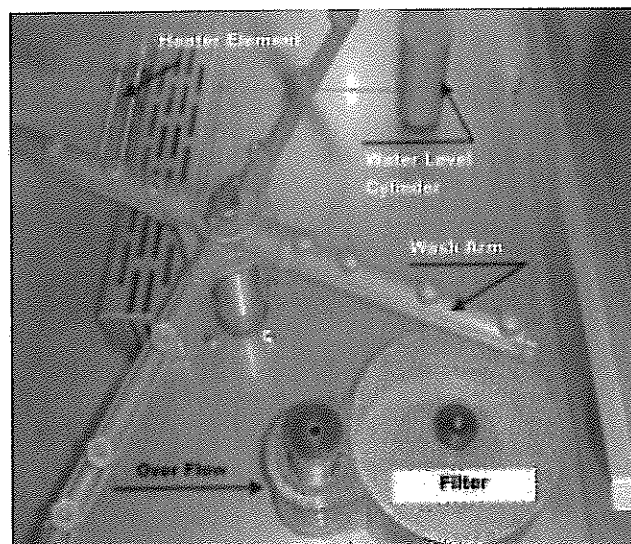
F-18DP

Before operating the machine, ensure that the electrical power, water supply and drain connections have been made as per the installation instructions. Ensure that the overflow pipe is correctly set in its place (inside the wash tank). The overflow pipe should never be forced into its position.

Familiarize yourself with the gauges, buttons and indicator lights on the control panel. Check that there is sufficient rinse additive and if your machine is equipped with a liquid detergent pump, confirm that there is sufficient detergent as well.

- Press the Square Green Power Button ①. The Power Indicator Light ② will illuminate (as well as the Digital Temperature Gauges ③ ④, if so equipped). If the wash tank is empty, the machine will start to fill. Always keep the door closed during this time. When the machine has filled to its required water level, the elements will then raise the rinse and wash water temperatures automatically. It will take approximately 15-20 minutes in order to obtain the optimum temperatures (185°F in the booster and 140°F in the wash tank). The Ready Indicator Light ⑤ will illuminate to indicate that the machine is ready for its first load.

- Fill the basket with dishware and trays then push the basket into the machine. If you are using a powder detergent, add the required amount (usually about one full tablespoon) in the wash tank and close the door. If you are using liquid detergent with a chemical pump system (optional) detergent will be added automatically. **DO NOT** use domestic dish soap.



**NOTE:** Whenever starting with the initial fresh water after fill-up, it is recommended to place 1-2 full tablespoonfuls of detergent (if you are using powder detergent) on the filters in addition to the regular amount per batch. Use a **commercial** dish detergent, as recommended by your supplier. Using too much may cause damage to the pump seals.

- It is more economical to wash when the basket is fully loaded. It is also important not to overload the basket. Water should always be able to spray freely around the dishware and trays.

- Press the round black Cycle Start Button ⑥. The Cycle Indicator Light ⑦ will illuminate. The cycle starts and consists of a wash, a brief pause and then a rinse. Another basket can be filled while the first one is being washed. The Cycle Indicator Light ⑦ will extinguish to signal the end of the cycle. Remove the basket from the machine.

## OPERATION

**NOTE:** It is recommended to change the wash water at least twice per day (after each peak period). Press Square Green Power Button 1 to the off position. Twist & pull up the overflow pipe and allow the machine to drain fully. The White Drain Pump Button © must be activated on models so equipped.

- Rinse the tank out with clean water and remove any particles of food or debris. Do not flush debris down the drain of the dishwasher. Remove and clean the filter(s). Replace the filter(s) and overflow pipe in their proper positions. Close the door leave the machine empty at the end of the day or if the machine will not be in use for more than a few hours.

