FLOAT SWITCH

The flood control system consists of a switch in series with the water valve. The weight of the float holds the switch contacts closed. If the water level exceeds a normal fill, the float rises and opens switch to cut off power to water valve.

NOTE: Dishwasher will not fill if float is not in place. This system offers protection against electrical failures, such as timer stalls, solenoid malfunction, etc.

SERVICING WATER VALVE

1. Shut off water and disconnect plumbing from water valve inlet and rubber hose from valve outlet.
2. Remove water valve from dishwasher.
3. Remove screen and gasket.

NOTE: Remainder of valve may be disassembled and cleaned if necessary. If flow washer is removed, the three pads must face “down stream” (direction water flows into dishwasher).

The screen and gasket are the only parts available as replacements.

SUMP

Rust in sump area may be repaired by using Sump Repair Kit WD35X170. If the rust has progressed more than 1/8 inch along tub bottom, epoxy patch repair is required in addition to kit. Instructions are included with kit.

The screen and gasket are the only parts available as replacements.

DETERGENT CUP

The cup must open and close freely. If cup opens sluggishly, make sure the shaft is properly seated in housing. If cup appears to bind, use a pen knife and shave that area to relieve interference.

MOTOR PUMP MECHANISM

The motor is a shaded pole type. It is protected against heat and high current by a thermal overload protector nestled in the coil winding. The overload is not replaceable as a separate part.

MOTOR STALLED – HUMS: Attempt to turn motor shaft by turning fan blade. If motor cannot be turned, something may be blocking spring cutter. To retrieve this item, remove sump cover from inside dishwasher. Reach down inside sump to locate and remove this item. Be very careful—there may be broken glass or sharp objects lodged in this area. If motor shaft cannot be removed, remove mechanism.

MOTOR DOES NOT RUN – NO HUM: The motor may be direct tested. Disconnect at plug – check with ohmmeter, the resistance reading should be 2 ohms, or check with a 115 volt external source. If motor checks “good”, the trouble is probably in wire harness or timer control. See Schematic page for diagnostic procedure.

SERVICING PUMP SOLENOID

1. Check continuity of solenoid coil. Resistance is 40 ohms.
2. Check armature for binding. The armature should “bottom” before gate is completely closed. Mounting plate must not be bent.
3. When replacing solenoid coil be sure both springs are in place.

UNICOUPLER (Convertible Models)

Leaks around unicouple to faucet connection can usually be corrected by installing WD35X141 Repair Kit.

1. The energy saver switch “ON” to have a heated cycle.
2. Remove wire leads for continuity of heater. Replace.

RINSE INJECTOR BI-META

1. DO NOT DIRECT TEST
2. Remove wire leads and
SPRAY ARM – WASH SYSTEM

The spray arm must rotate freely. If it binds, remove power tower (left hand threads) and lift off spray arm. Remove screw and teflonite washer holding hub and bearings. Lift off hub and inspect bearings to insure they are seated in keyed slots. Careful, DO NOT drop lower bearing in pump.

Inspect teflon seal, it should extend inside circumference of hub. If it is cut, torn, shows signs of abrasion, or damaged in any way, replace it.

Inspect spray arm for seeds, bits of china, etc. that may be clogging the holes – also for slits or cracks along sides of arm.

Reassemble and test operation.

The spray arm speed should be between 10 and 32 RPM.

LATCH MECHANISM

The latch strike may be adjusted by loosening two mounting screws and sliding strike toward rear of tub to increase latching force and reduce the possibility of leaks around door gasket. If latch closes too hard – slide strike “out” slightly. Keep in mind the importance of a tightly closed door.

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ELECTRICAL COMPONENT CHECKS

CAUTION: POWER MUST BE DISCONNECTED BEFORE ATTEMPTING TO MEASURE ELECTRICAL RESISTANCE. Actual measurement may show ± 10% variation from the resistance values given below.

MOTOR CHECK
Turn dishwasher on and attempt to run motor. If motor does not run - No hum
Check:
1. House fuse or circuit breaker.
2. Door switch.
3. Timer plug and harness connections at timer, be sure they are fully seated—especially BLACK to 10M and Blue to 6M.
4. Remove Power - check motor winding resistance - should be 2Ω.
If motor does not run - hums
Check:
1. Mechanical lock-up or frozen bearings.
2. Pump seal stuck.
3. Items in sump blocking impeller or cutter.

TIMER CONTROL CHECK
PRESS NORMAL SOIL button a pushbutton switch.
1. Close door and start dishwasher. Turn control dial slowly through cycle. Listen for operation of water valve, pump solenoid, pump motor.
2. If a component fails to operate, REMOVE POWER from dishwasher and check continuity of component, if OK, restore power and check if voltage is being delivered to component from timer control.
3. Start dishwasher. Check control dial to see if it rotates. If it doesn’t, REMOVE POWER and check continuity of timer drive motor.

PUSHBUTTON SWITCH CHECK
REMOVE POWER from dishwasher. Remove all wire leads from switch terminals before making check. Use ohmeter, check continuity between terminals.

TERMINALS SWITCH
PRESS NORMAL SOIL YRD 3-4 PUR CLOSED
PRESS NORMAL SOIL YRD 3-4 PUR OPEN
ENERGY SAVER

HEATER CHECK
1. REMOVE POWER from dishwasher. Remove wire leads from heater terminals and check continuity. Resistance reading should be 20Ω.

131D1190P40
CIRCUIT DIAGRAM MODE IS SHOWN AT ONE (1) MINUTE WITH NORMAL WASH CYCLE SELECTED.

CIRCUIT DIAGRAM MODE
VENT CLOSE

TERMINALS SWITCH

PUSKBUTTON SWITCH

ENERGY SAVER

SHORT WASH

1/2 1
2/1 2
3/1 3
4/1 4
5/3/4 5/3/4
18 18
18 18
COLOR CODE ABBREVIATION

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THE "X" INDICATES ONE SOLID COLOR - NO TRACER. WIRES WITH TRACER SHOW BOTH COLORS. EXAMPLE - WR IS WHITE WITH RED TRACER.