

# Training Bulletin

OCTOBER 2005

## GE DISHWASHERS 2005 Model Introductions

### INTRODUCTION

New model GE dishwashers have been introduced with the following design changes:

- Door Interlock Assembly
- Door Handle/Latch Assembly
- Air Diverter (Vent) Assembly
- Control Board
- HMI Board
- Door Hinge

The models below are **MEMBRANE** control dishwashers:

- |          |          |          |
|----------|----------|----------|
| EDW6000L | GHDA656L | GLD6300L |
| EDW6060L | GLD6200L | GLD6360L |
| GHDA650L | GLD6260L | GLD6500L |



*Membrane Dishwasher*

These models are **TACTILE** control dishwashers:

- |          |          |          |
|----------|----------|----------|
| EDW5000L | GLD4160L | GLD5500L |
| EDW5060L | GLD4200L | GLD5560L |
| GHDA450L | GLD4250L | GLD5800L |
| GHDA455L | GLD4260L | GLD5850L |
| GLD4100L | GLD4300L | GLD5860L |
| GLD4150L | GLD4360L |          |

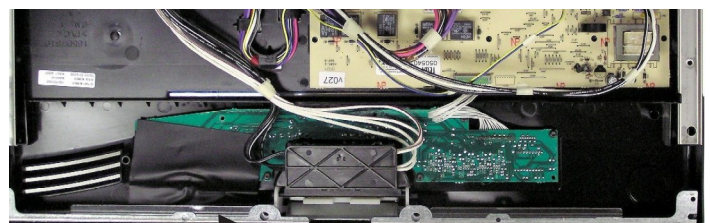


*Tactile Dishwasher*

### HANDLE/LATCH ASSEMBLY

To access the new handle/latch assembly, do the following:

1. Remove the screws from the inner door liner.
2. Carefully separate the inner liner and outer door panel by shifting the inner door liner to clear the vent assembly.
3. Latch the inner door panel to the tub, while leaving open the outer door panel to access the components.
4. Remove the escutcheon brace located at the top of the door.



**BRACE**



GE Appliances  
General Electric Company  
Louisville, Kentucky 40225

## Removal of Door Interlock Assembly

The door interlock assembly is located at the top center section of the inner door.

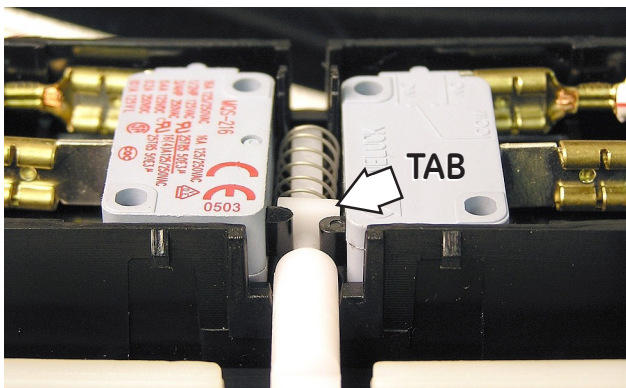
To remove the interlock assembly:

1. Remove the interlock cover by lifting up the two front tabs.

**Caution:** When removing the plunger, the spring is not secured and will pop off. To secure, place your hand over the spring when removing the plunger.

2. Remove the plunger and the spring.

**Note:** When replacing the plunger, make sure the flat side of the tab is facing up.

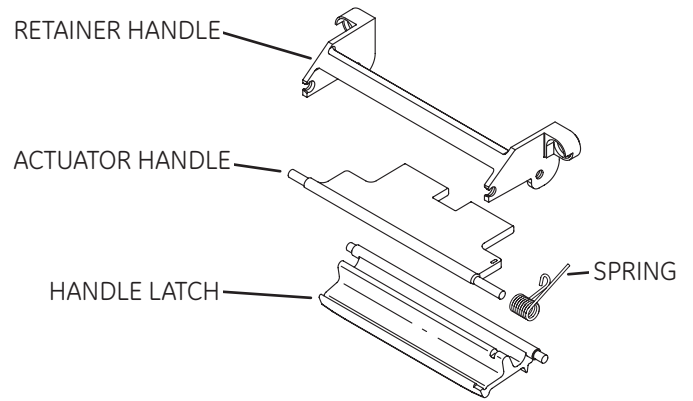


3. Lift up the interlock switches to remove. These switches are replaceable (Part No. WD21X10224).

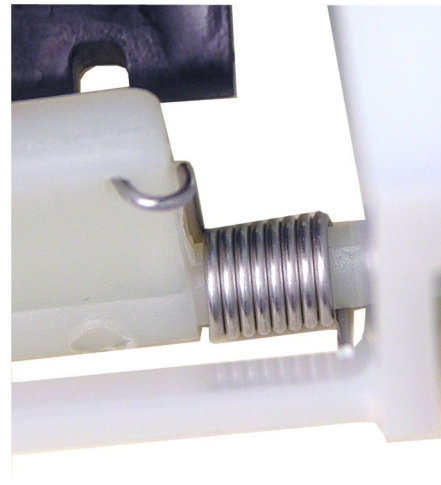
## Removal of Handle/Latch Assembly



The handle/latch assembly consists of 4 parts:

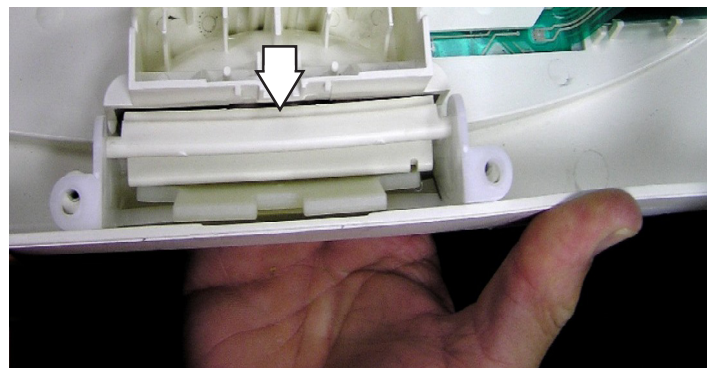


Notice the location of the spring for reassembly:



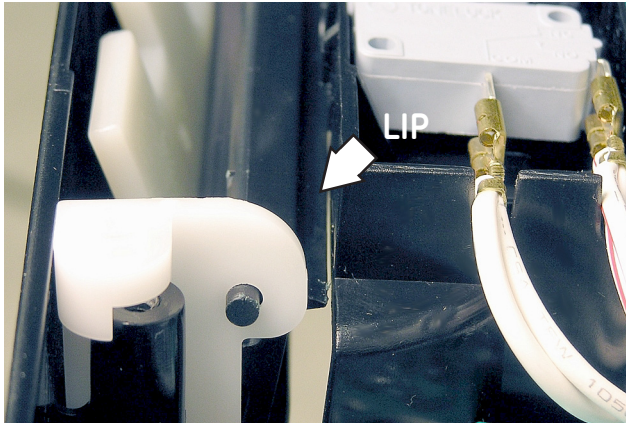
**Note:** When assembling, the pins on the actuator handle snap into the retainer handle after the spring has been positioned.

From the outside of door, squeeze the handle latch while *pushing* the handle assembly up and out of door. With your other hand, *pull* the assembly out while pushing up from the other side.





When replacing, ensure that the assembly clicks back into the door TWICE, and that the lip of the handle latch is securely tucked under the interlock location.



### **AIR DIVERTER (VENT) ASSEMBLY**

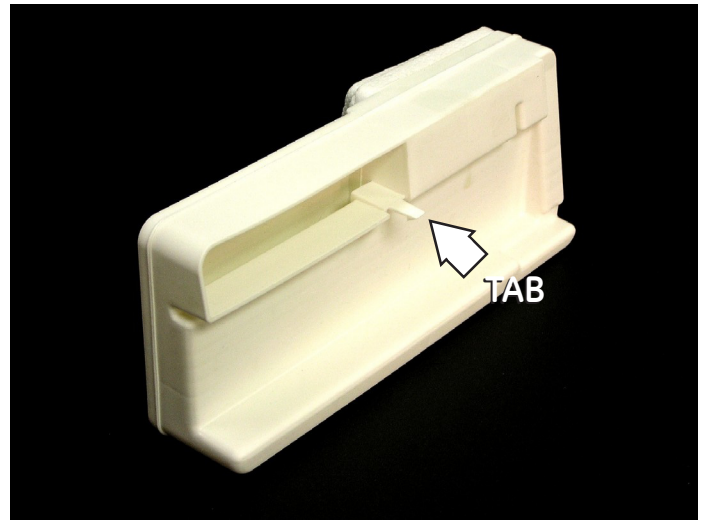
The air diverter assembly traps condensation until it has evaporated, preventing drips when the door is opened.

The diverter assembly is located at the top left corner of the dishwasher. The diverter includes an attached Styrofoam™ insert. There are two different designs that are model-specific.

#### **Membrane Diverter**



*Front View*

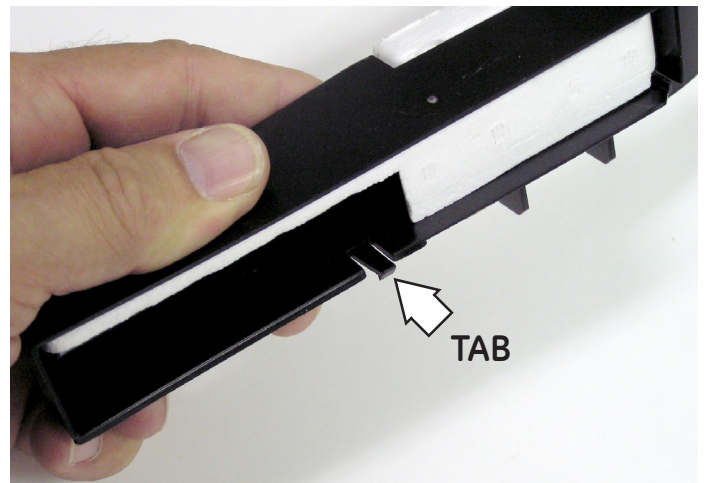


*Back View*

#### **Tactile Diverter**



*Front View*



*Back View*

To remove the diverter, simply pull it out clearing the tab.

To replace the diverter:

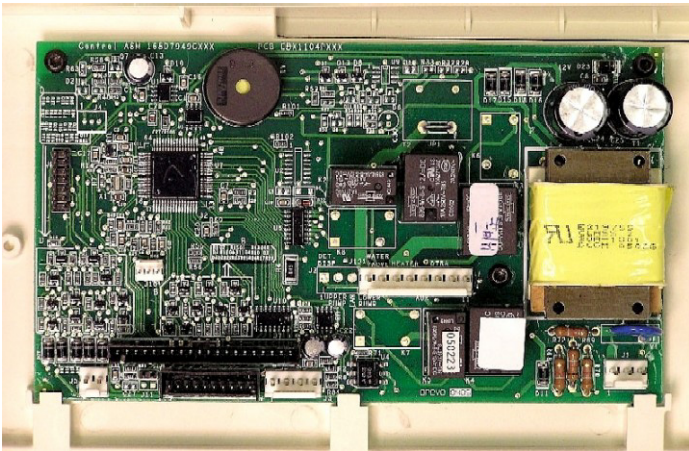
1. Make sure the diverter tab snaps back into place.
2. Shift the inner door to the right so that the flange vent is inside the escutcheon stiffener.
3. Align inner and outer doors and secure.

## CONTROL BOARD

**Caution:** Power to the appliance **MUST** be removed before disconnecting and/or replacing any membrane or control board. Failure will result in improper model select programming and permanent board damage.

The Membrane Dishwasher and the Tactile Dishwasher each have a new control board design. The boards are model-specific.

### Membrane Control board

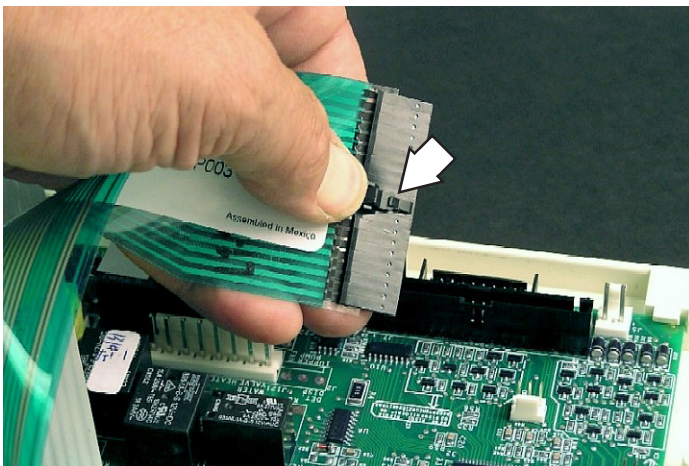


### Removal of Membrane Control Board

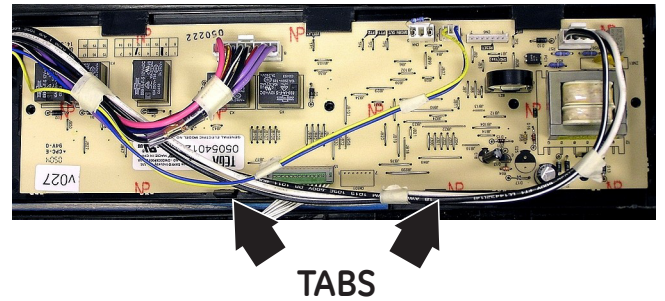
To remove, perform the following steps:

1. Remove the ribbon connector.
2. Remove the 3 T-15 screws.

**Note:** To release the quick connect on the main board, press the center only of the end of tab (see photo).



## Tactile Control board



### Removal of Tactile Control Board

To remove, perform the following steps:

1. Release the 2 clips on one side of the board.
2. Pull the board out from the 3 retaining tabs.
3. Disconnect the 4 connectors from the board.

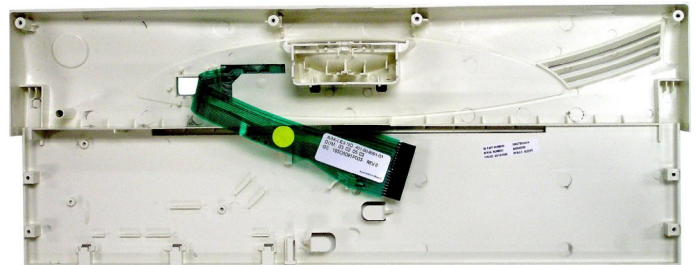
**Note:** When reconnecting the control board, take care to align pins and insure that no pins get pushed out during insertion.

## HMI BOARD

There are two new HMI board designs, both are model-specific.

### Membrane HMI Board

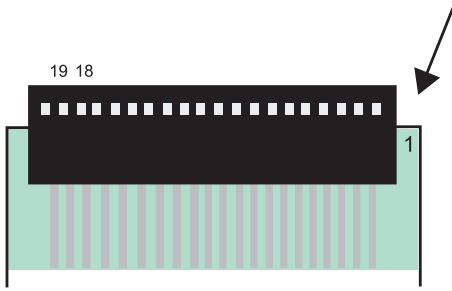
The HMI board is an integral part of the escutcheon and is replaced as part of the escutcheon assembly. It is connected to the control board by a 20-pin connector on the membrane ribbon.



### Model Selection

The Membrane dishwashers do not use model selector plugs. This model-specific resistance is built into the membrane between pins 18 and 19 (see table). The location of pins 18 and 19 is found on the 20-pin connector by locating the number "1", indicating pin 1.

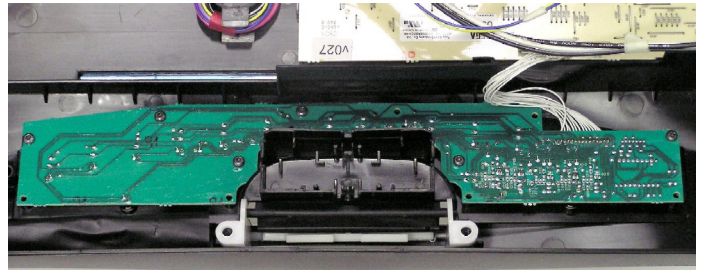




Control Model Resistance Values

| MODEL          | RESISTANCE VALUE |
|----------------|------------------|
| GLD6200L/6260L | 130K ohms        |
| GLD6300L/6360L | 33K ohms         |
| GHDA650L/656L  | 33K ohms         |
| EDW6000L/6060L | 33K ohms         |
| GLD6500L       | 22K ohms         |

## Tactile HMI Board



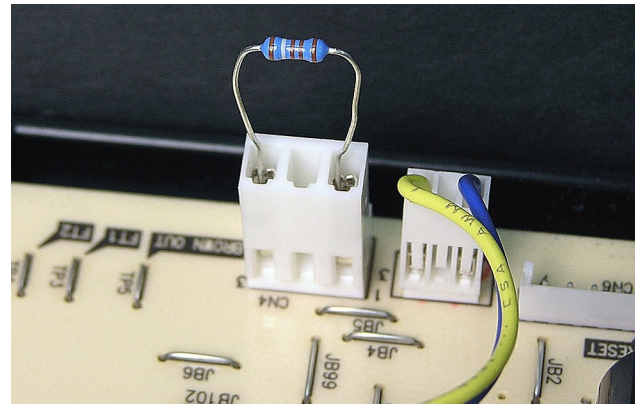
## Removal of Tactile HMI Board

1. Remove the 6 T-15 screws.
2. Pull out the HMI board.
3. Release the 2 side clips from the control board.
4. Lift the control board.
5. Disconnect the HMI board connector.

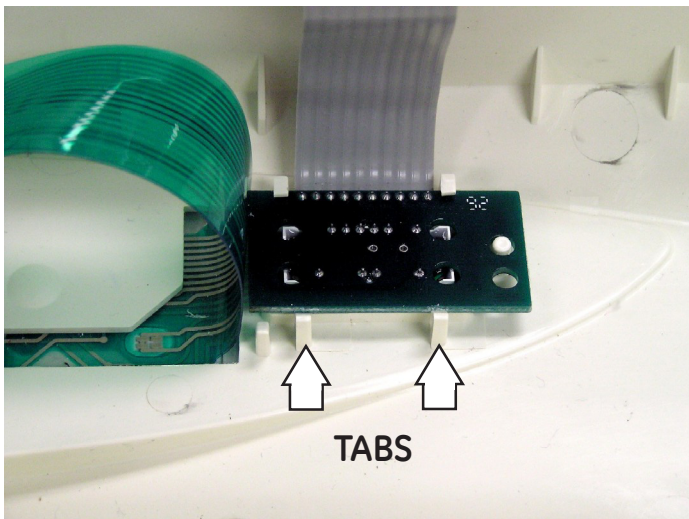
## Model Select Plugs

**Important:** Model select plugs are **NOT** included with new control boards. You must remove the plug from the old board and install it onto the new board prior to connecting power to the board.

**Note:** The model select plug for the Tactile control board is on CN4.



## Digital Display



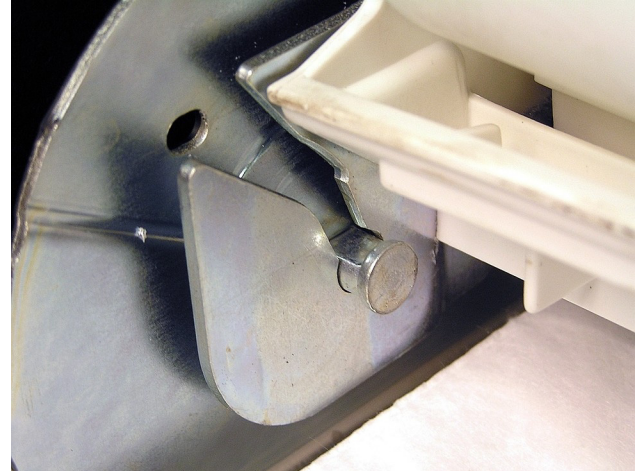
To remove the Membrane digital display and ribbon connector, release the tabs on the non-ribbon side and remove.

## Control Model Selector Plugs

| MODEL                                 | PART NUMBER | RESISTANCE VALUE |
|---------------------------------------|-------------|------------------|
| GLD4100L/4150L/4160L                  | WD21X10233  | 235 - 250 ohms   |
| GLD4200L/4250L/4260L                  | WD21X10234  | 410 - 440 ohms   |
| GLD4300L/4360L                        | WD21X10231  | 1150 - 1200 ohms |
| EDW5000L/5060<br>GLD5800L/5850L/5860L | WD21X10230  | 1600 - 1930 ohms |
| GLD5500L/5560L                        | WD21X10225  | 1300 - 1515 ohms |
| GHDA450L/455L                         | WD21X10232  | 800 - 900 ohms   |

To remove the door, perform the following steps:

1. Disconnect the harness from underneath the dishwasher.
2. Remove the door springs.
3. Open the door to approximately 30 degrees and lift the door straight up and off the hinge pins.



## DOOR HINGE SYSTEM

### Long Door Plastic Tub Dishwashers Model Series EDW4000, GSD6000, and PDW7000

The hinge system for the above dishwashers has been redesigned to allow for easier door removal. The threaded hinge pin has been replaced with a riveted design. The dishwasher door slips over the riveted hinge pin when held at a 30-degree angle from the vertical position.