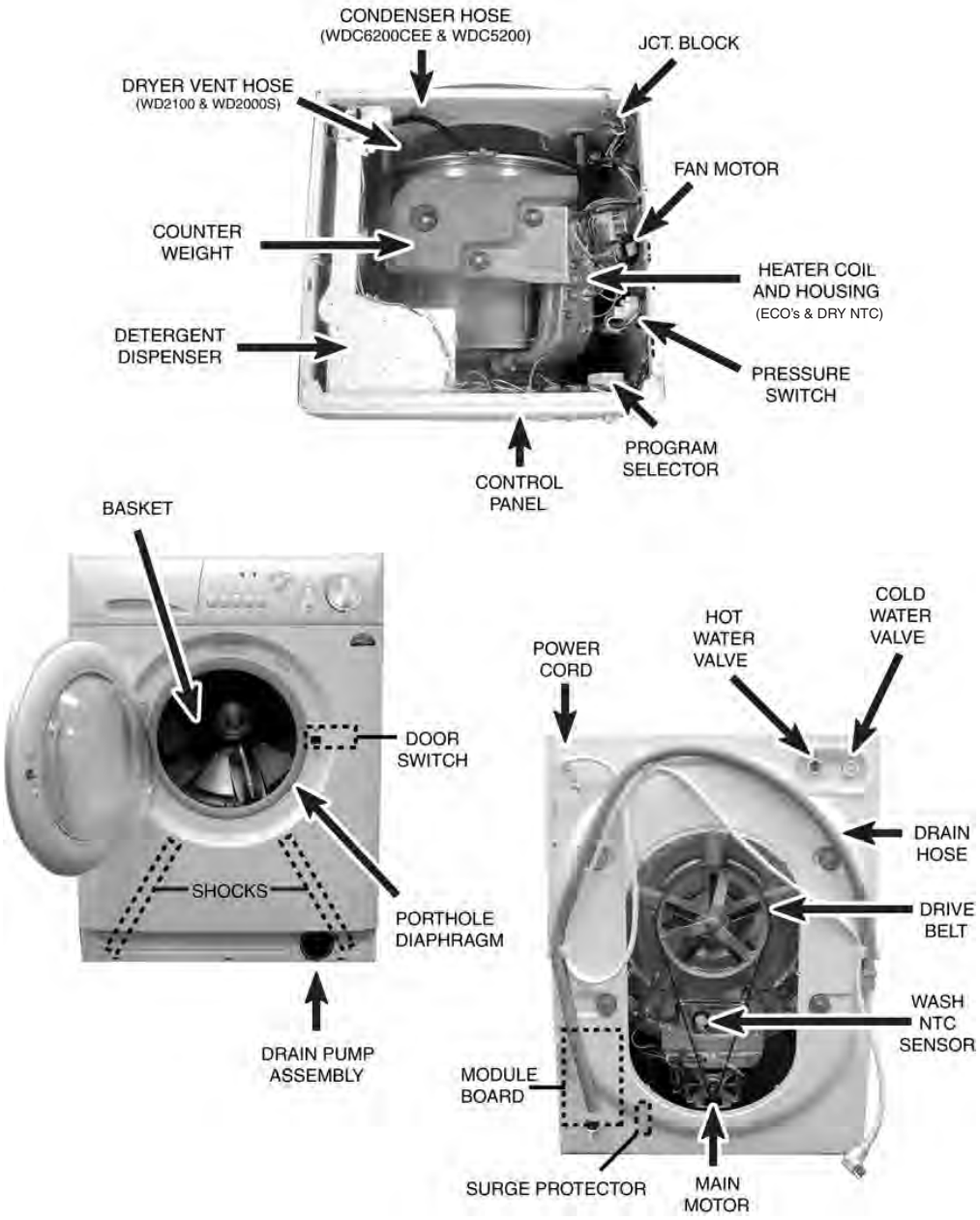
Accessing the Components

Component Locations

Follow the instructions in this section to gain access the following components.



Required Tools

To access components in this washer-dryer, you'll need Metric and Standard sockets of various sizes, Torx-15, 25 Drivers, a Flat Head Screwdriver, and a Phillips Head Screwdriver.

Top Panel / Control Panel Components

Access to the Control Panel requires that the top of the washer be removed.

Removing the Washer-Dryer Top

Two Phillips Head screws secure the main top at the back of the washer-dryer. (Fig. 4-1) Remove these screws and lift straight up on the rear of the main top.

NOTE: *There is a green and yellow ground wire attached to the heat shield on the main top. (Fig. 4-2) This wire will release as you remove the top. Be sure to re-attach it when the top is re-installed.*

Fig. 4-1

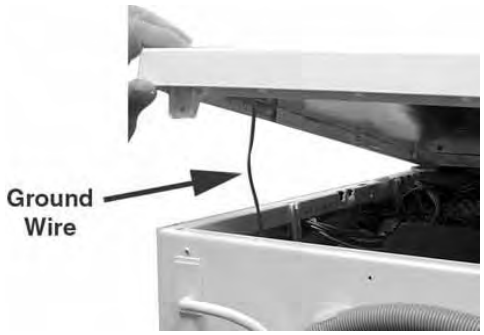


Fig. 4-2

Removing the Knobs

Remove the knob by pulling straight out. If you need to use pliers, make sure to use a shop rag as a buffer, so the knob does not get damaged. (Right)

Removing the Cycle Selector

Depress the tab at the top, center of the recessed area, then lift the selector up and off the mounting brackets. (Fig. 4-3)

NOTE: *Make sure that the wires on the plug correspond to the contacts on the tab of the Selector when re-installed. (Right)*

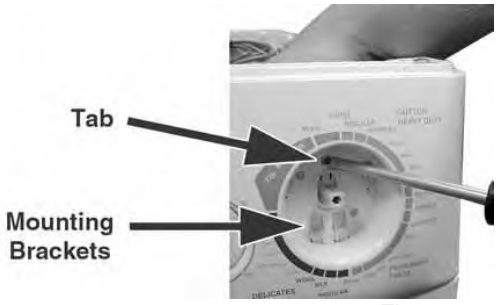


Fig. 4-3

Removing Dry Time/ Water Temp. Selectors

First, mark the connections, so the connectors are attached to the correct Selectors when reinstalled. Push tabs with a screwdriver (Fig. 4-4) while pulling the Selector backwards.

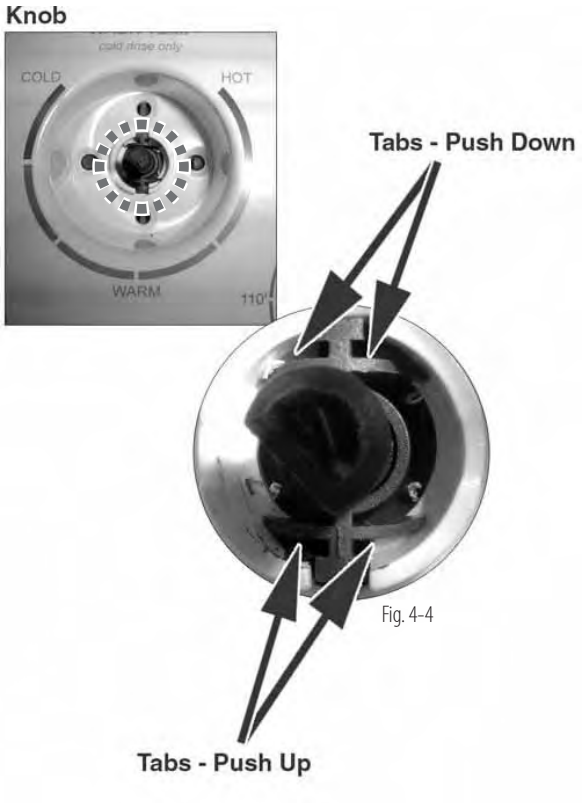


Fig. 4-4

Removing the Control Panel

The replacement Control Panel is shipped as a single unit and contains all switches, buttons, and LED's (Knobs and Selectors are not included). Remove the Phillips Head Screws (Fig. 4-5) and then lift the entire panel straight off.

Fig. 4-5

Door / Door Switch / Porthole Diaphragm

Open the Door to access the Door, Door Switch and Porthole Diaphragm.

Removing the Door

Remove the two, size 15 Torx screws that secure the door to the door hinge. (Fig. 4-6)

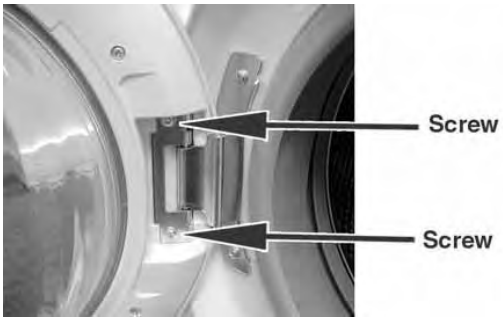


Fig. 4-6

Removing the Door Switch

If the top cannot be removed, access to the door switch requires that the porthole diaphragm be eased back from the front of the washer. To do this, locate the retainer spring and use a small tool to grab the hoop in the spring. (Fig. 4-7) Pull the retainer forward and then off the perimeter of the diaphragm.

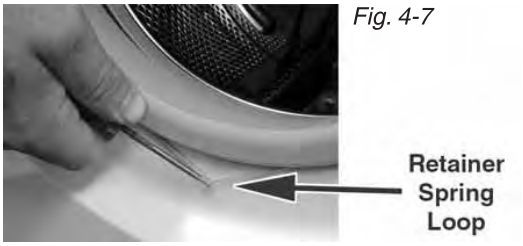


Fig. 4-7

Ease the edge of the diaphragm off of the lip of the washer front near the door switch. (Fig. 4-8) Remove enough of the diaphragm to gain access to the door switch behind the washer dryer front panel. (See "Removing the Porthole Diaphragm" to remove the entire diaphragm.) The door switch is secured to the washer front panel with two, size 15 Torx screws. (Fig. 4-9) Once these screws are removed, the door switch will remain in place until it is lifted slightly and pulled back from the washer panel. Then, remove the wire plug from the door switch.

Fig. 4-8

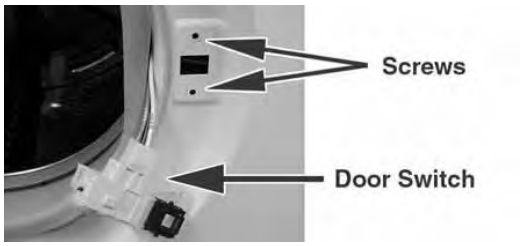


Fig. 4-9

Removing the Porthole Diaphragm

The porthole diaphragm can be completely removed from the outer rim of the tub assembly. Locate and loosen the 8mm bolt that holds the clamp to the drum. (Fig. 4-10) The diaphragm can now be removed from the tub. Pull the diaphragm off the drum and out of the machine.

Note: *The Heater Housing and Coil enter the boot at the 1 o'clock position. Use care not to damage the diaphragm.*

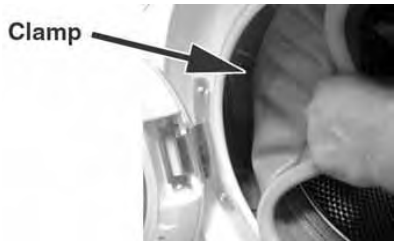


Fig. 4-10

Detergent Dispenser Assembly / Water Valves

Access to the Detergent Dispenser and Water Valves requires that the top of the washer be removed.

Removing the Dispenser Assembly

Begin by removing the top, then use two hands to pull the dispenser drawer completely out of the housing. (Below)

Remove the two Phillips Head screws securing the front of the detergent dispenser assembly to the top of the Control Panel. (Fig. 4-11) Remove the four screws securing the detergent dispenser assembly to the dispenser valves. (Fig. 4-12) Disconnect the two wires from the hot valve.

Fig. 4-11

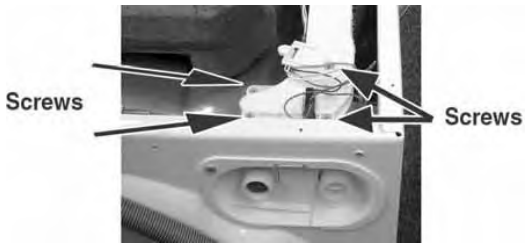


Fig. 4-12

Disconnect the dispenser hose from the detergent dispenser assembly by pulling the loop on the hose off to the side of the assembly. (Fig. 4-13) Once that is removed, the hose can be pulled straight off. Now you can lift the detergent dispenser assembly out.

Fig. 4-13

IMPORTANT!

Be sure to reattach the hose correctly, or it will vibrate off of the bottom of the housing and the unit

Removing the Water Valves

When the Detergent Dispenser Assembly is removed, the water valves will be exposed. Make sure the water valve seals are correctly installed on the water valves before re-assembly. (Fig. 4-14) Remove the two screws that secure the valves to the back of the machine. (Fig. 4-15, next page)

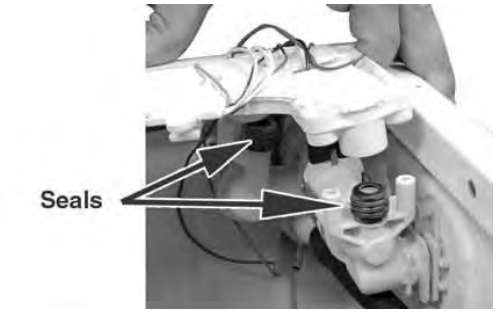


Fig. 4-14

IMPORTANT!

It's very important to note the orientation of the wiring on the valves for re-installation. If the wiring is switched the water temperatures will be incorrect, and on condenser machines, the dry cycle will not operate correctly.

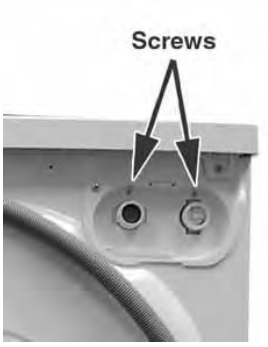


Fig. 4-15

Pressure Switch

The Pressure Switch is located on the top-right, front corner of the machine. The pressure switch can be accessed once the top is removed.

Removing the Pressure Switch

Unclip the pressure switch from the cabinet. Keep the plastic bracket attached. (Fig. 4-16) Using pliers, squeeze the clamp to disconnect the black hose from the bottom of the pressure switch. (Fig. 4-17) Be careful not to pull up on the hose too much, or it may become disconnected from the bottom of the drum.

Next, squeeze the tabs (Fig. 4-17) to remove the wiring harness connectors from the pressure switch. Remove the plastic bracket that clips the pressure switch onto the cabinet, then reinstall it onto the replacement pressure switch. Be sure to check the wire connector for a tight connection after re-installation.

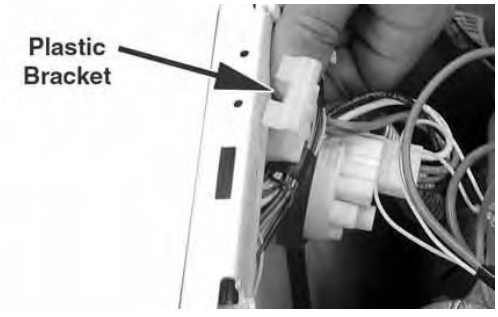


Fig. 4-16

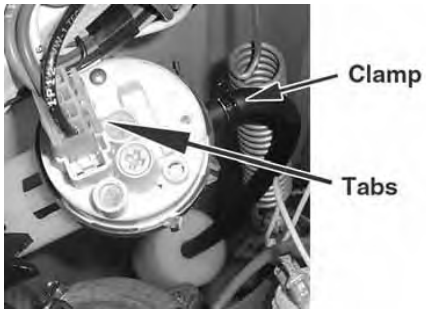


Fig. 4-17

Fan Motor / ECO's, Heater Coil & Housing

The Fan Motor, ECO's, Heater Coil and Housing sit on the drum and are located on the top, right side of the machine. It can be accessed once the top is removed.

Removing the Fan Motor

Disconnect the two wires that are attached to the fan motor. Next, remove the four 7mm screws that secure the fan motor to the heater duct assembly. (Fig. 4-18)

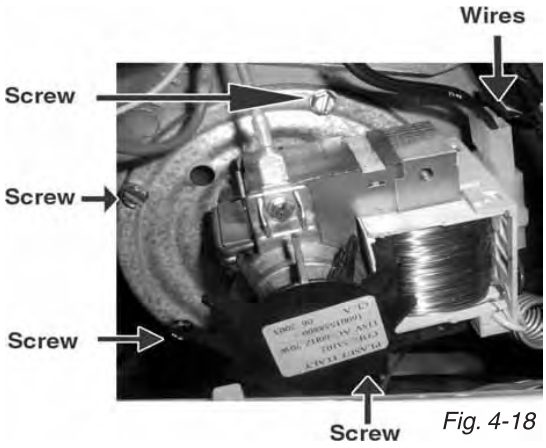


Fig. 4-18

Remove the 10mm nut with LEFT-HANDED threads (Below) that secures the impeller to the motor shaft. Lift the impeller straight off the fan motor shaft. You may need to use a punch.

NOTE: *Make sure the impeller does not touch the gasket when re-installed. If the gasket is damaged it will need to be replaced.*

Removing the ECO's

Slide the ECO out of the metal clip and remove the two wires attached to it. (Fig. 4-19) Be careful when re-installing the ECO, if the bottom gets dented, the ECO will open and will need to be replaced. The ECO should have continuity after installation - if not, it will need to be replaced.

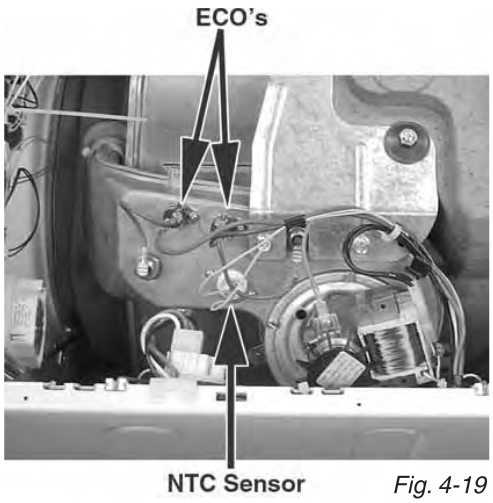


Fig. 4-19

Removing the NTC Sensor

Remove the two Phillips head screws that secure the NTC sensor to the duct assembly. Fig. (4-19)

Lift the NTC sensor out of the duct assembly. Then, remove the two wires by pulling on the metal connector. DO NOT pull on the wires, they could disconnect from the connector.

(Continued on the next page)

Removing the Heater Coil and Housing

The heater housing and coil come as one assembly. You cannot remove the coil from the housing.

Carefully mark all the wires and remove them from the fan motor, ECO's, NTC sensor, and heater coil. Next, remove the two 13mm nuts that secure the heater housing bracket to the counterweight. (Fig. 4-20). Lift the duct straight up from the rear. Disconnect the porthole diaphragm where it attaches to the front of the heater housing using care not to damage the diaphragm.

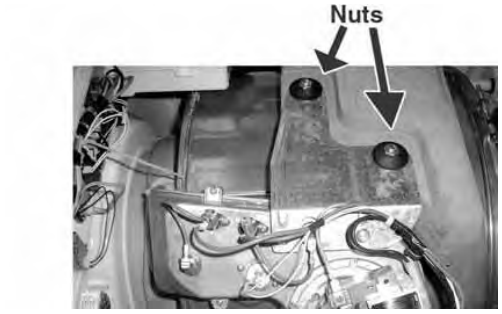
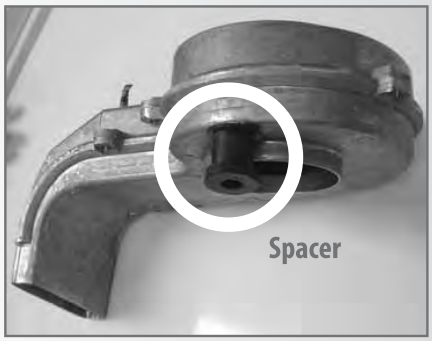


Fig. 4-20

IMPORTANT! About Vented Models



Vented models have a rubber spacer on the heater housing that assures clearance for adequate airflow to the fan. Check that this spacer is properly installed before reassembly.

IMPORTANT! About Condenser Models

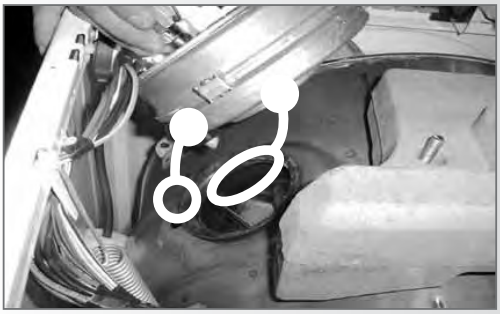


Fig. 4-21

There are two gaskets on the heater housing assembly. When reinstalling the assembly, you must align these two gaskets with the corresponding holes. (Fig. 4-21) After carefully aligning the gaskets with the holes, apply downward pressure as you tighten the two nuts that secure the heater housing bracket to the counterweight. (Fig. 4-22) If the gaskets are not seated correctly, the unit will leak.

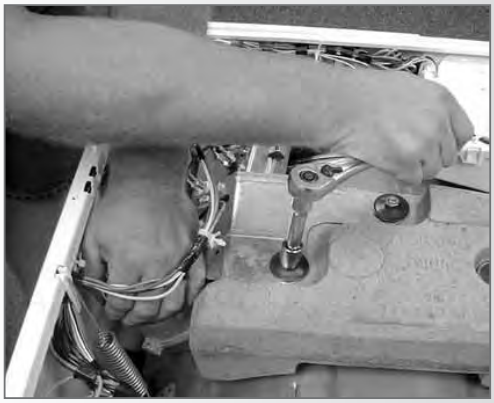


Fig. 4-22

Lower Panel / Drain Pump / Pump Filter

The Drain Pump is located at the lower, right-corner of the machine.
You'll need to remove the Lower Panel to access the Drain Pump and Pump Filter.

Removing the Lower Panel

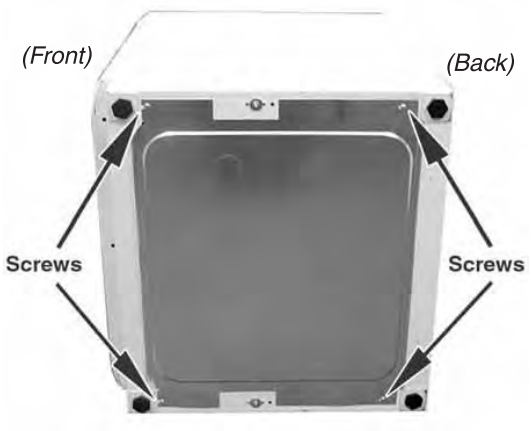
Gently ease down the top of the panel with a flat blade screwdriver or plastic putty knife.

Remove the panel by lifting slightly and pulling forward. (Below)

Removing the Drain Pump

With the Lower Panel removed and any residual water drained from the unit, gently tip the washer onto its' left side.

Remove the 4 screws that secure the sheet metal cover to the bottom of the washer. (Below) Remove the metal cover.



Remove the two screws that secure the pump to the cabinet. (Fig. 4-23) Rotate the pump clockwise from inside the unit and then pull to remove it from the cabinet.

Fig. 4-23

(Continued on the next page)

Before you disconnect the hoses, note their orientation and place a towel under them to catch any water left inside. Unclamp the hoses from the drain pump and remove the pump assembly. (Fig. 4-24)

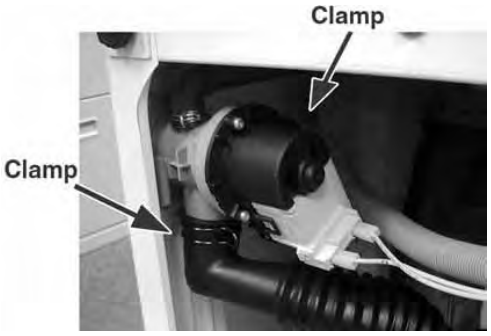


Fig. 4-24

To Clean Out the Large Item Filter

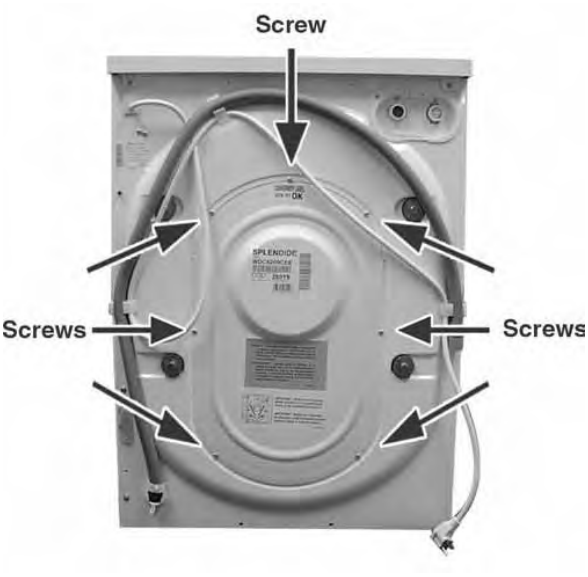
To clean out the Large Item Filter, turn the large knob counterclockwise and pull it out. (Below) Place a small pan or towel under the pump prior to removing the large item filter. There WILL be water in the pump housing.

Back Panel / Main Motor / Module Board

The Main Motor and Module Board can be accessed once the back panel has been removed.

Removing the Back Panel

Remove the 7 Phillips screws that secure the panel to the back of the cabinet. (Below) Now lift the panel off.



Removing the Main Motor

After removing the back panel, remove the Drive Belt. Next, remove the two 13mm mounting bolts that secure the motor to the tub. (Fig. 4-25) Slide the motor and bracket out 1 inch from the tub. Before completely removing the motor assembly, use needle-nose pliers to remove the two plastic wire ties from the bracket.

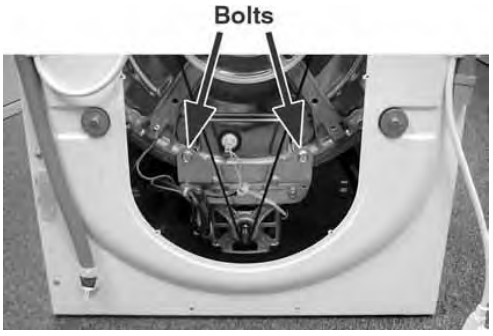


Fig. 4-25

IMPORTANT!

When re-installing the Main Motor, it's very important to make sure that it's properly re-seated and aligned, with the rubber hanger on the right, rear-side of the motor. Check that the wire ties are also replaced.

Removing the Module Board

Remove the two, size 15 Torx Head screws that secure the Module Board to the case (below). To remove the board, swing the bottom of the board out of the unit, then the top of the board.

IMPORTANT!

When reinstalling the Module Board, do not confuse the CNI and CNF plug locations. (See "Connector Locations on the Module Board). Also, pay close attention to the orientation of the CNG plug. Make sure that the pins are on the top of the CNG plug when the board is in the machine.

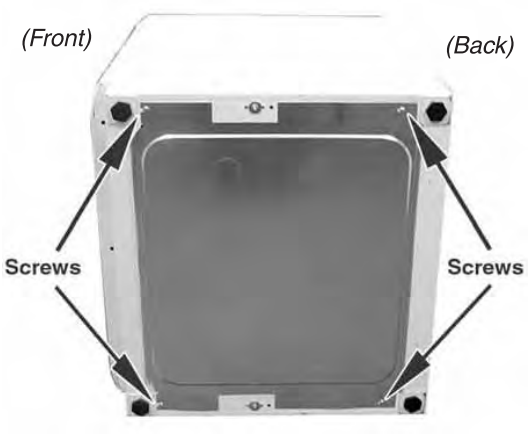
Shock Absorbers

The Shock Absorbers can be accessed once the bottom panel has been removed.

Removing the Bottom Panel

The tub is held in position by two shock absorbers. To access the Shock Absorbers, First, place the washer-dryer on its left side.

Remove the 4 screws that secure the sheet metal cover to the bottom of the washer. (Below) Now, remove the metal cover.



Removing the Shock Absorbers

Remove the bolts that secure the shock absorbers to the tub using a 12mm, 15mm or 13mm socket (depending on serial number).

Remove the bolts that secure the shock absorbers to the bottom of the case using a 15mm socket. (Fig. 4-26)

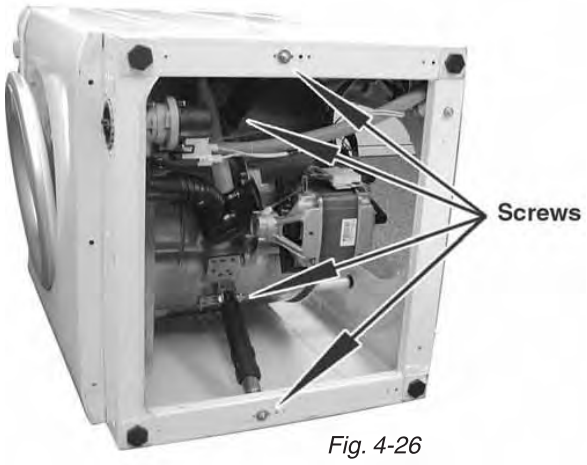


Fig. 4-26