

Inverter

The inverter receives commands from the control board and controls motor operation. The inverter is enclosed in a protective housing and is located on the chassis, under the left side of the outer tub. It is inserted in 2 guides at the rear and held in place by a single Phillips-head screw at the front.

For the inverter to operate the motor correctly requires a supply voltage of 120 VAC, DC input from the control board, and the three motor windings intact.

To check the inverter:

Remove the service panel. (See **Service Panel removal.**)

Press the 4 tabs inward and remove the junction box cover.

Enter test mode t10, t11, or t14.

Check for 120 VAC between the blue and red wires at the AC input harness.

Note: The 120 VAC inverter supply voltage is present only when the motor is supposed to be operating.

Unplug washer, then check motor resistance.

(See **Motor Assembly.**)

If 120 VAC is present at the AC input harness and motor resistance is correct, replace the inverter.

To remove the inverter:

Remove the service panel. (See **Service Panel removal.**)

Press the 4 tabs inward and remove the junction box cover.

Disconnect the AC and DC input wire harnesses contained in the junction box.



Disconnect the motor wire harness.

Note: The motor wire harness is soldered to the inverter. Any fault in the inverter or motor wire harness requires inverter replacement.