

**(Excerpt from Dishwasher Manual 13)**

**The Drain Hose**

The drain hose itself clogs. Sometimes a kink is very obvious. Other times the clog will be hard to locate. Clogs form in the following spots:

- a) Any sharp bends.
- b) Any change in diameter.
- c) At any fitting.

On some clogs, it is difficult to decide whether to take apart the pump or the drain line. It not always easy to remove a drain line to test it because they wind through the cabinet. The pump may be old and rusted.

**A Temporary Drain Line  
(Fig. 13-11)**

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If nothing is obvious, the easiest way to narrow the problem down is to connect a temporary drain hose. Connecting a temporary line is often faster than removing and reinstalling the actual hose of disassembling the pump. Run a line from the dishwasher pump motor to a bucket.

A temporary hose will quickly indicate which way to proceed. When tested, if the bucket fills quickly, the built-in line is clogged. If the water only trickles into the bucket, there is a pump problem.

If the hose is at fault, repair or unclog it as needed. Sometimes, the hose may be enclosed in a cabinet and be inaccessible. It may be much easier to run a new drain line and leave the old one behind.

#### 4. The Spray Arm and Tower

Correct operation of the spray arm is critical to good cleaning. There are three spray arm failures:

1. Food will clog the holes in the spray arm.
2. The spray arm will crack and lose pressure.
3. The spray arm bearing will bind and not allow free rotation.

**Sample Maytag and Whirlpool Spray Arms**  
(Fig. 13-12)

The spray arm sits on top of the spray arm support or spray tower. The tower is critical to good spray arm operation. It must seal to the arm so that all of the water squirts out of the arm. It must allow smooth rotation of the arm.

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Testing a spray arm

To provide a reference point set the spray arm so that the arms line up with the sides of the dishwasher. Run the dishwasher a few seconds (full of water) and quickly open the door. The arm should be rotating and coming to a stop. (You may get a little wet performing this test.) If the arm is in the same spot, there is a problem with either the arm, the tower, or the water pressure.