

Eric Rodriguez

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“Load a Dishwasher”

1. Identify the problem:

I am trying to load the dishwasher very strategically so that everything fits to be cleaned well.

2. What do I need to answer the question?

What: What type of service is required? Large pieces, fragile pieces, items requiring special care?

Where: Where do I place each item inside the dishwasher for the best fit and cleaning efficiency?

When: At what time do I have to run the dishwasher, and is there anything that should be cleaned by a certain time?

How: The orientation that each item should take to fit and position correctly for wash - e.g. plates standing up, bowls at an angle

3. Identify all the data I need to collect:

Type of dishes:

-4 big plates, 3 small ones, 5 bowls, 6 glasses, 2 pots, and all necessary utensils.

Dishwasher layout:

Upper rack: Glasses, small plates, and bowls.

Lower rack: for large plates, pots, and larger items.

Utensil basket: This will hold forks, spoons, and knives.

Wash Cycle: The normal wash cycle will take 1 hour and 20 minutes, and I need all the dishes cleaned by morning.

4. Organize the data:

Types of dishes:

-Separate items according to size and delicacy: plates, bowls, glasses, pots, utensils.

Placement:

- Large plates and pots go in the lower rack; they take up more space.
- Set small plates, bowls, and glasses on the top rack.
- Place utensils in the basket, handles down for safety and better cleaning.

Timing:

I'll load the dishwasher tonight so it's ready to run before bed, so that at least there will be clean dishes in the morning.

5. Find and identify the relationship:

Each item that needs to be placed in the dishwasher depends on the variety of dishes present. The larger, heavier items fit best on the lower rack, where the smaller, more fragile items go onto the upper rack. Utensils put in the basket can get cleaned well with the handles down.

6. To Find a Solution:

Plan:

- Place large plates and pots on the lower rack for stability and space.
- Position small plates, bowls, and glasses in the top rack facing opened and spaced to avoid crowding.
- Load utensils in basket, handles down.
- Run the dishwasher at night on the normal cycle so it will be ready by morning.

7. Presentation (tell a story)

I have arranged dishes of different sizes and types, installing large-size plates and pots on the lower rack, taking into consideration stability. Smaller ones-plates, bowls, and glasses-are set on the upper rack, having left enough space for water to circulate. Utensils go into the basket, handles down, for proper cleaning. I will run the dishwasher on the regular cycle tonight, so that by morning, all the dishes will be ready and cleaned, sorted efficiently and with no fuss.