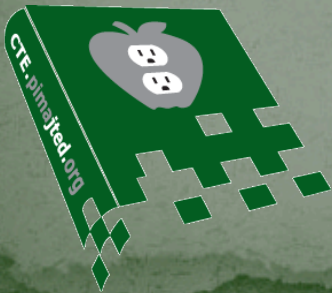


Construction: Plumbing

DRAIN WASTE AND VENT SYSTEM

LESSON 12 OF 12





Bell Work

1. Obtain the equipment and materials you will need to assemble your DWV model.
2. Be prepared to explain two safety procedures relevant to this activity.

Preview Objectives

- Student will be able to prepare to assemble a soil, waste, and vent system by:
 1. Demonstrating how to complete a Safety Rubric observation.
 2. Identifying and completing the steps in assembling a DWV System.

Suggest key phrases and words to underline

SAFETY

You are expected to:

1. Abide by all classroom safety procedures.
2. Wear all your personal protective equipment at all times.
3. Use all equipment appropriately and safely.
4. Immediately follow any instructions from the teacher to avoid injury or damaging materials or tools.

Safety Rubric

Scoring:

1 =Not Proficient 2=Approaches Proficiency
3=Proficient

1. First Aid supplies and fire suppressants are available and checked before the operation is begun.
2. Closed-toe shoes are worn.
3. No loose clothing or jewelry that could become a safety hazard are worn.
4. Approved personal protective equipment is worn at all times, i.e.: gloves, goggles, and apron.
5. Proper use and safe distribution of materials is maintained.
6. Proper, safe use of tools and equipment are used at all times.
7. Safe operating procedures are maintained throughout the operation.

10 QUICK INSTALLATION STEPS

- 1. Measure** pipe from bottom or shoulder of each socket into which pipe is to fit.
- 2. Cut** pipe to required length, making sure cut is square.
- 3. Ream** inside and chamfer outside of pipe to eliminate all burrs. Sand lightly.
- 4. Clean** all dirt, moisture, and grease from pipe and fitting socket using a clean, dry cloth.
- 5. Check** dry fit of pipe in fitting socket and make alignment marks before disassembling for cementing.

Dry Piping Assembly

90 Degree Elbows

Make alignment marks for assembly

3" PVC

Drain Tee

PVC



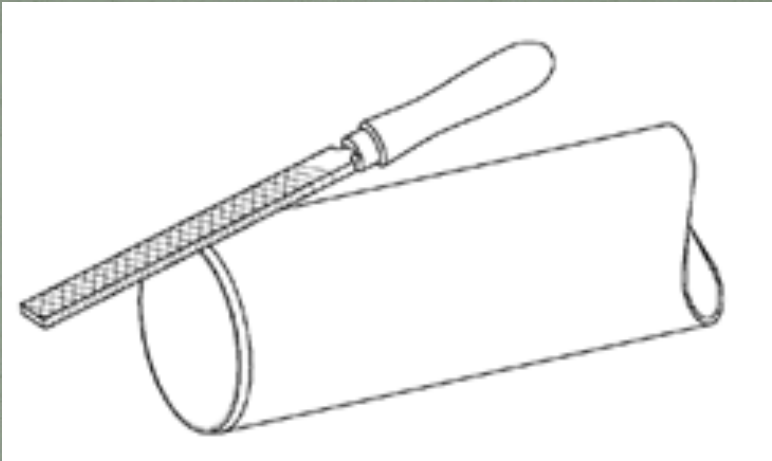
ABS



Ream and Camfer



<http://www.horn.com/ASSETS/DOCUMENTS/PRODUCTS/17072969>
Reamer, Tool, 30.0g



<http://www.horn.com/ASSETS/DOCUMENTS/PRODUCTS/17072969>



<http://www.stanley.com/ASSETS/DOCUMENTS/PRODUCTS/17072969>



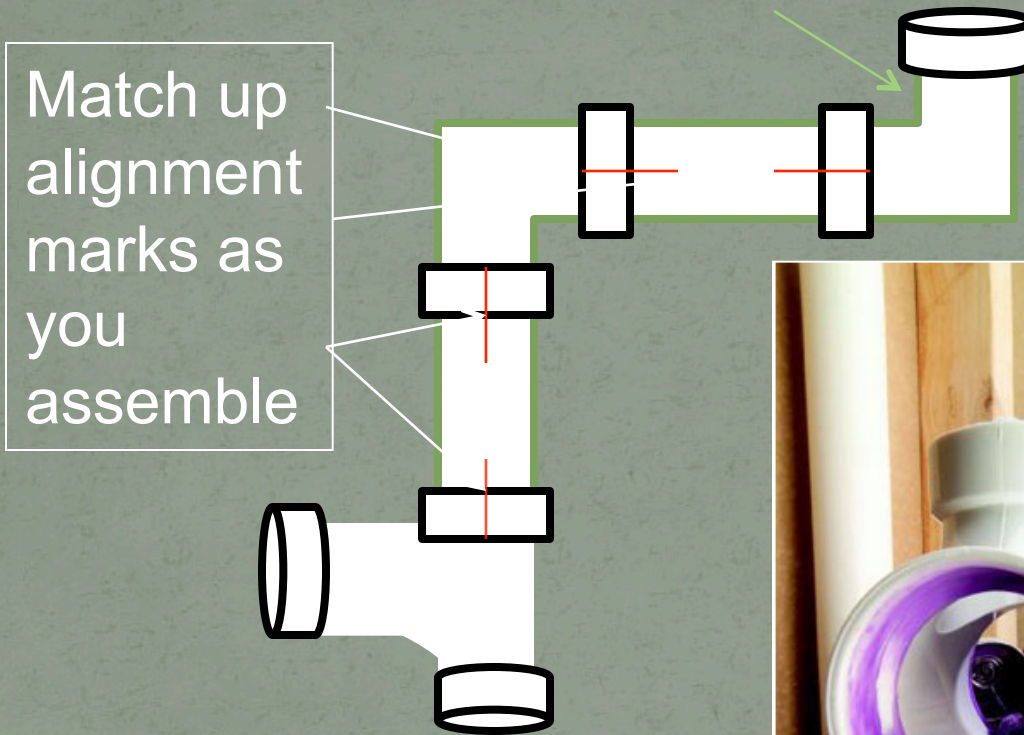
<http://www.stanley.com/ASSETS/DOCUMENTS/PRODUCTS/17072969>

10 QUICK INSTALLATION STEPS:

(Continued)

- 6. Apply** a light coat of solvent cement to the inside of the fitting socket and the outside of the pipe.
- 7. Insert** pipe into fitting socket, giving the pipe a one-quarter turn and making sure it goes all the way to the socket bottom.
- 8. Hold** the joint together until a tight set is attained before proceeding to the next joint.
- 9. Check** cement bead around joint; wipe excess cement from the pipe.
- 10. Don't** move the system until the joints have cured (set) at least as long as recommended by the solvent

Assemble with Solvent Cement



Review Objectives

- Student will be able to prepare to assemble a soil, waste, and vent system by:
 1. Demonstrating how to complete a Safety Rubric observation.
 2. Identifying and completing the steps in assembling a DWV System.