

PROMPT

Today

Objective: Write a troubleshooting guide to identify and fix restroom breakdown issues.

Context: The restroom is malfunctioning, and I need guidance on figuring out the problem and DIY fixes before calling a professional.

Instructions: Give concise steps for diagnosing and resolving issues such as toilet clogging, leaks, broken flush mechanisms, or drainage problems. Use simple language and provide safety precautions.

Constraints: Mention when professional help is needed. Also focus on DIY solutions. Avoid rambling.

Desired Output: A structured, easy-to-follow guide with clear instructions and causes for different issues.

This is the prompt I used for all 3 AIs.

RESPONSE

COPILOT

Copilot

Restroom Troubleshooting Guide

1. Toilet Clogging
Symptoms: Water rises and doesn't drain properly after flushing.
Steps:

- Use a Plunger:**
 - Place the plunger over the toilet drain and push down gently.
 - Pull up sharply to create suction. Repeat until the clog is cleared.
- Try a Toilet Auger:**
 - Insert the auger into the toilet bowl and crank the handle to break up the clog.
- Use Baking Soda and Vinegar:**
 - Pour 1 cup of baking soda followed by 1 cup of vinegar into the toilet.
 - Wait 30 minutes, then flush with hot water.

Safety Precautions:

- Wear gloves and protective eyewear.
- Avoid using chemical drain cleaners as they can damage pipes.

When to Call a Professional:

- If the clog persists after multiple attempts.
- If you notice water backing up in other drains.

2. Leaks
Symptoms: Water pooling around the base of the toilet or dripping from the tank.
Steps:

- Check the Wax Ring:**
 - Turn off the water supply and flush the toilet to empty the tank.
 - Remove the toilet and inspect the wax ring for damage. Replace if necessary.
- Inspect the Tank Bolts:**
 - Tighten any loose bolts connecting the tank to the bowl.
- Replace the Flapper:**
 - If water is leaking from the tank into the bowl, replace the flapper.

Safety Precautions:

- Turn off the water supply before starting any repairs.
- Use a towel to soak up any water around the base.

When to Call a Professional:

- If the leak continues after replacing the wax ring and tightening bolts.
- If you notice cracks in the toilet bowl or tank.

3. Broken Flush Mechanism
Symptoms: Toilet doesn't flush or handle feels loose.
Steps:

- Check the Chain:**
 - Open the tank and ensure the chain is connected to the flapper and the flush handle.
 - Adjust the length of the chain if it's too loose or too tight.
- Inspect the Handle:**
 - Tighten any loose nuts securing the handle to the tank.
- Replace the Flapper:**
 - If the flapper is worn out, replace it with a new one.

Safety Precautions:

- Turn off the water supply before working inside the tank.
- Handle parts gently to avoid breaking them.

When to Call a Professional:

- If the flush mechanism is still not working after these fixes.
- If you notice any damage to the internal components of the tank.

Can you provide more DIY tips?

What tools do I need for these fixes?

How to prevent future restroom issues?

View

- Follow up each response with clarification of what you want it to create or a new direction that you want it to explore or expand.

Even though Copilot's tutorial is brief and straightforward, making it easy to use, usability would be improved by including detailed instructions with clear visuals.

- Write a summary paragraph describing what you would use this GenAI tool to accomplish.

I want to use Copilot to produce a helpful troubleshooting guide for common household concerns, focusing on safety and simple instructions. To avoid errors, the book will specify when to contact a specialist.

PERPLEXITY

<p>Troubleshooting Guide for Restroom Breakdown Issues</p> <p>1. Clogged Toilet Causes: Flushing non-degradable items (e.g., wet wipes, paper towels) or buildup of hair and grime. Diagnosis: Water rises in the bowl or doesn't drain after flushing. DIY Fix:</p> <ul style="list-style-type: none"> • Use a plunger to dislodge the clog. Apply firm, consistent pressure. • Mix 1 cup baking soda and 1 cup vinegar, pour into the bowl, and let sit for 30 minutes. Follow with boiling water 4. • Use a drain snake or a straightened wire hanger (with a rag tied to the hook) to break up the clog 4. <p>Call a Pro: If the clog persists or water backs up into other fixtures, it may indicate a sewer line blockage 1 2.</p> <p>2. Running Toilet Causes: Worn flapper, faulty float valve, or tank leaks. Diagnosis: Continuous water sound or high water bill. DIY Fix:</p> <ul style="list-style-type: none"> • Check the flapper for wear or misalignment. Replace if damaged 1 5. • Adjust the float valve to ensure proper water level in the tank 5. • Inspect the tank for cracks. If found, replace the toilet. <p>Call a Pro: If adjustments don't stop the running, or if the tank is cracked 1 2.</p> <p>3. Toilet Leak Causes: Cracked bowl/tank, damaged seals, or loose supply tubes. Diagnosis: Water pooling around the base or damp tank. DIY Fix:</p> <ul style="list-style-type: none"> • Tighten bolts at the base of the toilet. • Replace the wax ring seal if water leaks from the base 1. • Check for cracks in the tank or bowl. Replace the toilet if cracked. <p>Call a Pro: If leaks persist or if the toilet is cracked 1 2.</p> <p>4. Broken Flush Mechanism Causes: Worn seals, limescale buildup, or faulty float mechanism. Diagnosis: Weak flush, slow tank filling, or water leaking into the bowl. DIY Fix:</p> <ul style="list-style-type: none"> • Remove the cistern cover and inspect the flush mechanism. Clean or replace worn seals 5. • Adjust the float valve to control water levels 5. • Soak parts in vinegar to remove limescale buildup 5. <p>Call a Pro: If the mechanism still malfunctions after cleaning or adjusting 5.</p> <p>5. Drainage Problems Causes: Mineral buildup, clogged pipes, or sewer line blockage. Diagnosis: Slow draining or foul odors. DIY Fix:</p> <ul style="list-style-type: none"> • Use a drain snake to clear blockages 4. • Install a water softener to prevent mineral buildup 2. • Pour boiling water down the drain to dissolve minor clogs. <p>Call a Pro: If drainage issues persist or if multiple fixtures are affected 2.</p> <p>Safety Precautions</p> <ul style="list-style-type: none"> • Wear gloves and safety glasses when handling chemicals or tools 6. • Ensure proper ventilation when using vinegar or cleaning agents 6. • Turn off the water supply before making repairs 5. <p>When to Call a Professional: If DIY fixes fail, if there's a sewer line issue, or if the problem involves structural damage (e.g., cracked toilet) 1 2.</p>	
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- Follow up each response with clarification of what you want it to create or a new direction that you want it to explore or expand.

I want Perplexity to create a detailed troubleshooting guide that includes clear safety tips along with diagnosis and DIY fixes. It would also be helpful to cover more household problems. This way, users can work safely and confidently handle repairs.

- Write a summary paragraph describing what you would use this GenAI tool to accomplish.

I plan to use Perplexity to make a helpful troubleshooting guide for common household issues. It will have easy-to-follow instructions and specific safety tips, so homeowners can fix things on their own. My goal is to create a reliable resource that covers many different problems.

CHATGPT

Restroom Troubleshooting Guide

1. Toilet Clogging

Symptoms: Water rises instead of flushing, slow drainage. **Causes:** Too much toilet paper, foreign objects, buildup in pipes. **DIY Fixes:**

- Use a **plunger**: Create a tight seal and pump vigorously.
- Try a **toilet auger**: Insert and rotate to break up clogs.
- Pour **hot water and dish soap** into the bowl to loosen debris.
- Use **baking soda and vinegar** for minor clogs. **When to Call a Professional:** If the toilet overflows repeatedly or multiple drains are clogged.

2. Toilet Won't Flush

Symptoms: Handle moves freely but doesn't flush, weak or no flush. **Causes:** Broken chain, flapper, or fill valve. **DIY Fixes:**

- Open the tank and check if the **chain is disconnected or too loose**; reattach or adjust it.
- Inspect the **flapper** for wear and replace if needed.
- Check the **fill valve**; adjust or replace if not refilling properly. **When to Call a Professional:** If replacing parts doesn't restore function or water continues running.

3. Leaks Around Toilet or Sink

Symptoms: Water pooling near toilet or under sink. **Causes:** Loose connections, worn seals, cracked pipes. **DIY Fixes:**

- Tighten **water supply line connections**.
- Replace **worn-out washers or seals** in sink faucets.
- Apply **plumber's tape** to small pipe leaks.
- If the toilet base leaks, try tightening the bolts securing it to the floor. **When to Call a Professional:** If leaks persist, pipes are cracked, or water damage is extensive.

4. Slow or Clogged Sink/Shower Drain

Symptoms: Water drains slowly or stands in the sink/shower. **Causes:** Hair, soap scum, debris buildup. **DIY Fixes:**

- Use a **plunger** on sink/shower drains.
- Pour a mixture of **baking soda and vinegar**, wait 10 minutes, then flush with hot water.
- Use a **drain snake** or bent wire to pull out debris.
- Remove and clean the **P-trap** under the sink. **When to Call a Professional:** If multiple drains are slow or completely blocked.

5. Unpleasant Odors

Symptoms: Persistent bad smell from drains or toilet. **Causes:** Dry P-trap, mold, or sewer backup. **DIY Fixes:**

- Run **water down unused drains** to fill the P-trap.
- Pour a mix of **baking soda and vinegar** down drains.
- Clean around the toilet and check for **hidden leaks**. **When to Call a Professional:** If the smell is strong, persistent, or smells like sewage.

General Safety Precautions

- Always **turn off the water supply** before making repairs.
- Wear **gloves** when handling clogs and leaks.
- Avoid using **chemical drain cleaners**, as they can damage pipes.

By following these steps, you can resolve common restroom issues without calling a professional. If problems persist, seeking expert help is the best option to prevent further damage.

- Follow up each response with clarification of what you want it to create or a new direction that you want it to explore or expand.

I want ChatGPT to develop a more extensive version of the instructions for each DIY fix, including preventive maintenance advice. Furthermore, having a guide that covers other common household difficulties as well as other prevention tips would be beneficial.

- Write a summary paragraph describing what you would use this GenAI tool to accomplish.

I'd use ChatGPT to create a basic troubleshooting guide for typical household issues. The guide would provide symptoms, causes, and simple DIY solutions so that consumers could handle problems on their own.