

Moen 90410

Moen 90410 Tub Drain with Trip Lever Installation and User Manual

Model: 90410

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Moen 90410 Tub Drain with Trip Lever. This product is designed for use with bathtubs ranging from 14 to 16 inches in height, featuring durable brass construction and a chrome finish. Please read these instructions carefully before beginning installation or use to ensure proper function and longevity of the product.

PRODUCT COMPONENTS

The Moen 90410 Tub Drain assembly includes the following primary components:

- Adjustable bathtub drain cover with trip lever (chrome finish)
- Brass tubing for overflow and drain connections
- Brass nuts and seals for secure connections
- 1-1/2-inch threaded shoe
- Removable grid strainer for the tub drain opening



Figure 1: Complete Moen 90410 Tub Drain with Trip Lever assembly, showcasing the chrome overflow plate, brass piping, and chrome drain strainer.

INSTALLATION INSTRUCTIONS

Proper installation is crucial for the leak-free operation of your tub drain. It is recommended to consult a qualified plumber if you are unsure about any steps.

1. **Preparation:** Ensure the bathtub is properly positioned and secured. This Moen 90410 model is designed for bathtubs with a height between 14 and 16 inches. The internal drain assembly itself is adjustable, accommodating a vertical distance of approximately 12 to 14.5 inches from the center of the overflow opening to the center of the drain tee connection.
2. **Overflow Assembly:** Attach the overflow pipe to the overflow opening on the bathtub. Secure the chrome overflow plate with the provided screws. Ensure a watertight seal by applying a generous bead of high-quality bathroom silicone sealant around the overflow opening on the tub, between the tub surface and the overflow plate. Avoid using plumber's putty for this seal, as silicone provides a more reliable, long-lasting seal.
3. **Drain Shoe Assembly:** Connect the 1-1/2-inch threaded shoe to the tub's main drain opening. Apply a bead of bathroom silicone sealant around the underside of the drain flange (the part that sits inside the tub) before inserting it into the tub opening. From below the tub, thread and tighten the large nut onto the drain shoe to create a secure, watertight connection.
4. **Connecting Pipes:** Assemble the brass tubing components, connecting the vertical overflow pipe to the horizontal drain shoe pipe using the provided brass nuts and washers. Ensure all connections are hand-tightened first, then use a wrench for a final snug turn. Exercise caution not to overtighten, which can damage threads or seals.
5. **Trip Lever Mechanism:** Carefully insert the trip lever mechanism into the overflow pipe. Test its operation by moving the

lever up and down to ensure the internal stopper moves freely and correctly.

6. **Leak Test:** After completing the installation, fill the bathtub with water and allow it to sit for several hours (e.g., overnight). Thoroughly inspect all drain and overflow connections from below the tub for any signs of leakage. If any leaks are detected, address them immediately by tightening connections or reapplying sealant as necessary before proceeding with any further bathroom finishing.

OPERATING INSTRUCTIONS

The Moen 90410 Tub Drain features a trip lever mechanism for easy control of water drainage.

- **To Close the Drain:** Push the trip lever down. This action lowers the stopper inside the drain shoe, sealing the tub and allowing it to fill with water.
- **To Open the Drain:** Pull the trip lever up. This action lifts the stopper, opening the drain and allowing water to flow out of the tub.

The removable grid strainer in the drain opening helps prevent larger debris from entering the plumbing system.

MAINTENANCE

Regular maintenance ensures the continued smooth operation and appearance of your tub drain.

- **Cleaning the Strainer:** Periodically remove the grid strainer from the drain opening to clear any accumulated hair or debris. This helps maintain optimal drainage flow.
- **Cleaning the Finish:** Clean the chrome finish with a soft, damp cloth and mild soap. Avoid abrasive cleaners, scouring pads, or harsh chemicals, as these can damage the finish.
- **Trip Lever Mechanism:** If the trip lever becomes stiff or difficult to operate, it may require cleaning or lubrication. Consult a plumber if the issue persists.

TROUBLESHOOTING

Refer to the following common issues and their potential solutions:

- **Leakage at Drain or Overflow:**
 - Ensure all connections are securely tightened.
 - Verify that sufficient bathroom silicone sealant was applied around the drain flange and overflow opening during installation. Reapply if necessary.
 - Check for damaged washers or seals and replace if found.
- **Drain Not Holding Water:**
 - Confirm the trip lever is fully pushed down to engage the stopper.
 - Inspect the stopper mechanism for any obstructions or damage that might prevent a complete seal.
 - Check the rubber seal on the stopper for wear or damage; replace if necessary.
- **Slow Drainage:**
 - Remove and clean the grid strainer to clear any hair or debris.
 - If slow drainage persists, there may be a clog further down the plumbing system, which may require professional attention.

SPECIFICATIONS

Feature	Detail
Brand	Moen
Model Number	90410
Color	Chrome
Material	Brass
Finish Type	Chrome
Special Feature	Adjustable
Style	Transitional
Tub Compatibility	14-inch to 16-inch tubs
Drain Shoe Thread Size	1-1/2-inch
Item Weight	3.92 pounds
Product Dimensions	16.8 x 6.5 x 3.6 inches
Included Components	Tub Drain Assembly

WARRANTY INFORMATION

The Moen 90410 Tub Drain is backed by a **Limited Lifetime Warranty**. For specific terms and conditions, please refer to the official Moen warranty documentation or visit the Moen website.

CUSTOMER SUPPORT

If you have any questions regarding the installation, operation, or maintenance of your Moen 90410 Tub Drain, please contact Moen customer support. You can find contact information on the official Moen website or through the product packaging.

