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› No-Spill Systems 1002 Standard Straight Drainer Instruction Manual

No-Spill Systems 1002

No-Spill Systems 1002 Standard Straight Drainer Instruction Manual

Model: 1002 | Brand: No-Spill Systems

INTRODUCTION

The No-Spill Systems 1002 Standard Straight Drainer is designed to facilitate clean, easy, and quick oil changes. This system replaces your factory drain plug with a high-quality, durable solution that prevents spills and reduces the risk of injury during fluid draining. Manufactured from solid brass bar stock, No-Spill Systems products are engineered for maximum strength and security, compatible with various heavy-duty and light-duty applications.

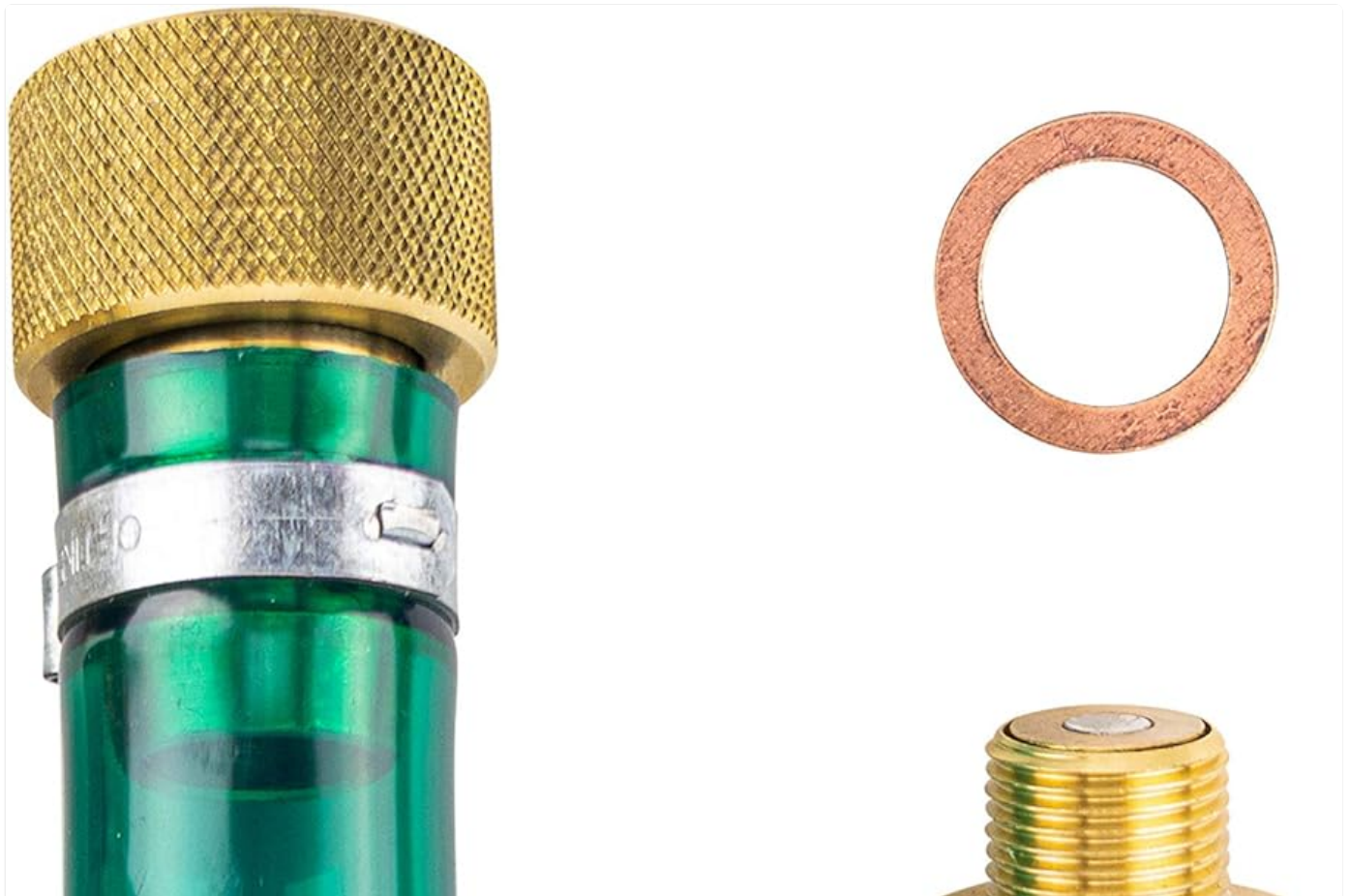




Image: The No-Spill Systems 1002 Standard Straight Drainer hose, along with the brass drain plug and a copper washer.

PRODUCT OVERVIEW

The No-Spill Systems 1002 Standard Straight Drainer system consists of a specialized drain plug and a straight hose drainer. Key features include:

- **Precision Fit:** Available in over 500 sizes and thread patterns to ensure compatibility with a wide range of vehicles and equipment.
- **Stainless Steel Spring:** Integrated within the drain plug, compatible with all fluid types.
- **Single Bridge Design:** Facilitates faster fluid flow and improved removal of contaminants.
- **O-Ring Seals:** Ensures a leak-proof connection, compatible with all fluids.
- **Viton O-Ring:** Provides enhanced sealing performance and chemical resistance.
- **Oil Pan Threads:** Machined to full length for maximum strength and security when installed.
- **Drainer:** A simple, straight connection hose designed for universal fit with No-Spill drain plugs.



Precision Fit

Made in over 500 sizes and thread patterns

Stainless Steel Spring

Compatible with all fluids

Single Bridge

For faster flow and better removal of contaminants

O Ring Seals

Compatible with all fluids

Viton O Ring

Compatible with all fluids

Oil Pan Threads

Machined full length for maximum strength & security

Drainer

Simple threaded connection. One size fits all

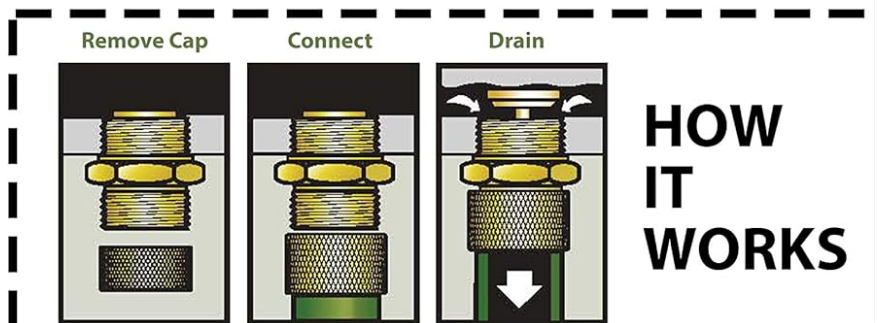


Image: Detailed diagram illustrating the various components of the No-Spill drain plug and drainer, including the precision fit, stainless steel spring, O-ring seals, and machined threads.

SETUP AND INSTALLATION

Proper installation of the No-Spill drain plug is crucial for optimal performance. This process involves replacing your existing drain plug with the No-Spill plug.

Installing the No-Spill Drain Plug

1. Ensure the engine is cool to the touch. Place a suitable drain pan beneath the oil pan.
2. Carefully remove the existing drain plug from your vehicle's oil pan. Allow all oil to drain completely.
3. Clean the area around the drain hole to remove any debris or old gasket material.
4. Thread the No-Spill drain plug into the oil pan by hand until it is snug. Ensure the included copper washer is in place.
5. Using an appropriate wrench, tighten the No-Spill drain plug to the manufacturer's recommended torque

specifications for your vehicle. Do not overtighten.

6. Once installed, ensure the cap on the No-Spill drain plug is securely tightened.

Connecting the Drainer Hose

The drainer hose connects to the No-Spill drain plug for a controlled fluid evacuation.

1. Before draining, ensure the drain pan is positioned correctly.
2. Unscrew and remove the protective cap from the No-Spill drain plug.
3. Insert the brass end of the 1002 Standard Straight Drainer hose into the opening of the drain plug. Push firmly until it clicks into place, indicating a secure connection.
4. The fluid will begin to drain through the hose into your collection pan.

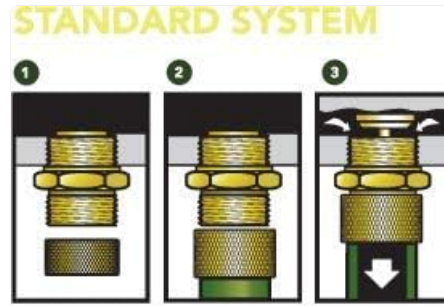


Image: A visual guide demonstrating the three steps of the No-Spill system: removing the cap, connecting the drainer, and draining the fluid.



Image: A simplified diagram showing the standard operation of the No-Spill system, from cap removal to drainer connection and fluid flow.

OPERATING INSTRUCTIONS

Once the No-Spill drain plug is installed and the drainer hose is connected, the fluid draining process is straightforward.

1. Ensure your fluid collection pan is adequately sized and positioned directly beneath the end of the drainer hose.
2. With the drainer hose securely connected to the No-Spill drain plug, the internal valve will open, allowing fluid to flow out.
3. Monitor the fluid flow until the oil pan is empty. The transparent hose allows for visual inspection of the draining fluid.
4. Once draining is complete, gently pull the drainer hose straight out from the drain plug. The internal valve will automatically close, preventing any drips or spills.
5. Replace the protective cap onto the No-Spill drain plug, ensuring it is tightened securely to prevent contamination.



Image: A close-up view of the green drainer hose securely connected to the brass No-Spill drain plug, ready for fluid draining.

MAINTENANCE

The No-Spill Systems 1002 Standard Straight Drainer is designed for durability and minimal maintenance. Following these guidelines will ensure its longevity:

- **Cleaning:** After each use, wipe down the drainer hose and the exterior of the drain plug with a clean cloth to remove any residual fluid.
- **Storage:** Store the drainer hose in a clean, dry place away from direct sunlight and extreme temperatures.
- **Inspection:** Periodically inspect the drain plug and hose for any signs of wear, damage, or degradation of the O-rings. While designed for long life, replacement may be necessary if damage is observed.
- **Cap Security:** Always ensure the protective cap on the drain plug is securely tightened when the drainer hose is not in use to prevent dirt and debris from entering the valve.

TROUBLESHOOTING

If you encounter issues with your No-Spill Systems 1002 Standard Straight Drainer, consider the following common solutions:

Problem	Possible Cause	Solution
Fluid not draining or slow draining	Drainer hose not fully inserted; internal valve obstructed; fluid too cold/viscous.	Ensure drainer hose is pushed firmly until it clicks. Check for debris in the valve. Allow engine to warm slightly if fluid is very cold.
Leakage around the drain plug	Drain plug not tightened correctly; damaged O-ring or washer; incorrect plug size.	Verify plug is torqued to specifications. Inspect and replace O-ring or copper washer if damaged. Ensure correct plug model for your vehicle.
Drainer hose difficult to connect/disconnect	Debris in connection point; worn components.	Clean the connection points on both the plug and the hose. If components are worn, consider replacement.

If troubleshooting steps do not resolve the issue, please contact No-Spill Systems customer support for further assistance.

SPECIFICATIONS

Attribute	Detail
Model Number	1002
Material	Brass
Color	Green (Hose)
Product Dimensions	25.4 x 3.05 x 3.05 cm (approx.)
Item Weight	113 g (approx.)
Compatibility	Works with No-Spill Drainer #1002, 1004, and/or 1046 (sold separately)

WARRANTY AND SUPPORT

No-Spill Systems stands behind the quality of its products.

Lifetime Warranty

All No-Spill products come with a lifetime warranty on workmanship and materials. This warranty covers defects in manufacturing and materials under normal use and service.

Customer Support

For technical assistance, warranty claims, or any questions regarding your No-Spill Systems product, please refer to the contact information provided on the official No-Spill Systems website or your purchase documentation. When contacting support, please have your product model number (1002) and purchase details readily available.

