

Fragola 360030

Fragola 360030 Brake Hose Assembly User Manual

Model: 360030 | Brand: Fragola

1. PRODUCT OVERVIEW

The Fragola 360030 Brake Hose Assembly is engineered as a direct replacement for worn-out rubber brake lines in automotive applications. This assembly is designed to meet D.O.T. specifications for flexible brake lines, ensuring compliance and safety. Each unit undergoes rigorous pressure testing to its rated working pressure prior to shipping, guaranteeing reliability and performance.

Key Features:

- Perfect replacement for worn out rubber brake lines.
- Assemblies are available in all popular configurations of -3 and -4 hose ends.
- Each line is pressure tested to its rated working pressure before shipping.

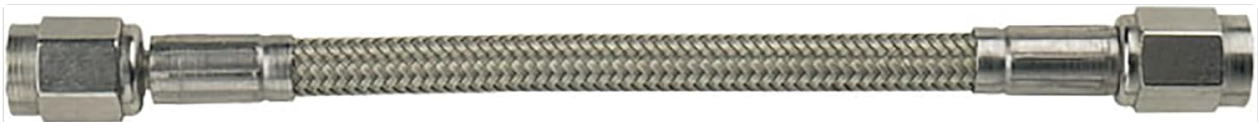


Image 1.1: Fragola 360030 Brake Hose Assembly. This image displays the braided stainless steel hose with fittings on both ends, characteristic of a high-performance brake line.



Image 1.2: Made in USA Logo. This emblem signifies that the product is manufactured in the United States, indicating

2. IMPORTANT SAFETY GUIDELINES

Working with automotive brake systems requires caution and proper knowledge. Incorrect installation or maintenance can lead to brake failure, resulting in serious injury or death. Always prioritize safety.

- **Professional Installation Recommended:** Due to the critical nature of brake components, installation should ideally be performed by a qualified automotive technician.
- **Wear Personal Protective Equipment (PPE):** Always wear safety glasses, gloves, and appropriate clothing when working on vehicle systems.
- **Consult Vehicle Service Manual:** Refer to your vehicle's specific service manual for detailed instructions, torque specifications, and bleeding procedures relevant to your make and model.
- **Use Proper Tools:** Ensure you have the correct tools for the job to prevent damage to components or injury.
- **Brake Fluid Handling:** Brake fluid is corrosive. Avoid contact with skin, eyes, and painted surfaces. Dispose of used fluid responsibly.
- **Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

3. SETUP AND INSTALLATION

This section provides general guidance for the installation of the Fragola 360030 Brake Hose Assembly. Specific steps may vary depending on your vehicle. Always consult your vehicle's service manual.

1. **Preparation:** Safely lift and support the vehicle using jack stands. Remove the wheel(s) to access the brake assembly. Place a drain pan beneath the brake line connection to catch any dripping brake fluid.
2. **Old Hose Removal:** Carefully loosen and disconnect the old brake hose from both the caliper/wheel cylinder and the vehicle's hard line. Be prepared for brake fluid to leak. Inspect the mounting points and fittings for any damage or corrosion.
3. **New Hose Installation:** Install the new Fragola brake hose, ensuring proper routing to avoid kinks, rubbing against other components, or interference with suspension travel. Connect the hose securely to both the caliper/wheel cylinder and the hard line. Hand-tighten first, then use a wrench to tighten to the vehicle manufacturer's specified torque. *Do not overtighten.*
4. **Brake System Bleeding:** After installation, the brake system will contain air. It is crucial to bleed the brake system thoroughly to remove all air bubbles. Follow your vehicle's specific bleeding procedure, which typically involves a two-person method or a vacuum/pressure bleeder. Ensure the master cylinder reservoir remains full during this process.
5. **Final Inspection and Testing:** Once bleeding is complete, visually inspect all connections for leaks. Pump the brake pedal several times to build pressure. Check for a firm pedal feel. Before driving, perform a static test by applying firm pressure to the brake pedal and holding it for a few seconds to ensure no pressure loss or leaks. Test brakes at low speed in a safe area before normal operation.

4. OPERATION

The Fragola 360030 Brake Hose Assembly functions as a critical component within your vehicle's hydraulic brake system. Its primary role is to transmit hydraulic pressure from the master cylinder, through the brake lines, to the brake calipers or wheel cylinders at each wheel. When the brake pedal is depressed, brake fluid is

forced through the hose, actuating the braking mechanism and slowing or stopping the vehicle. The hose's flexible design accommodates the movement of the suspension and steering components while maintaining a sealed hydraulic path.

5. MAINTENANCE

Regular inspection of your brake hoses is essential for safe vehicle operation. While the Fragola 360030 is designed for durability, wear and tear can occur over time.

- **Visual Inspection:** Periodically inspect the brake hoses for any signs of cracking, bulging, fraying, or leaks. Pay close attention to the areas near the fittings and where the hose bends.
- **Check for Rubbing:** Ensure the hose is not rubbing against any suspension components, chassis, or wheels, which could lead to premature wear.
- **Fitting Integrity:** Verify that all connections are secure and free from leaks. Do not attempt to tighten fittings if they are already at the correct torque, as this can cause damage.
- **Brake Fluid Condition:** Regularly check your brake fluid level and condition. Contaminated or low brake fluid can indicate issues within the system, including potential hose problems.
- **Replacement:** If any damage or significant wear is observed, the brake hose assembly should be replaced immediately by a qualified technician.

6. TROUBLESHOOTING

This table outlines common issues related to brake hoses and potential solutions.

Problem	Possible Cause	Solution
Brake fluid leak at hose connection	Loose fitting, damaged flare, or faulty sealing washer	Tighten fitting to specification, inspect and replace sealing washer, or re-flare/replace hard line if damaged.
Brake fluid leak from hose body	Damaged, cracked, or worn hose	Replace the brake hose assembly immediately.
Spongy or soft brake pedal after hose replacement	Air trapped in the brake system	Thoroughly bleed the brake system until no air bubbles are visible.
Brake pedal goes to floor	Severe fluid leak (possibly from hose), master cylinder failure, or extreme air in system	Immediately inspect entire brake system for leaks. Do not drive vehicle until issue is resolved. Seek professional assistance.

Note: For any persistent or severe brake system issues, it is strongly recommended to consult a certified automotive technician.

7. TECHNICAL SPECIFICATIONS

Detailed specifications for the Fragola 360030 Brake Hose Assembly:

Property	Value
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Property	Value
Brand	Fragola
Model	360030
Material	Rubber (inner hose), Braided Stainless Steel (outer reinforcement)
Color	Black (hose), Silver/Metallic (fittings)
Item Weight	1.6 ounces (approx.)
Product Dimensions	12 x 3 x 0.5 inches (approx.)
Manufacturer Part Number	360030
UPC	822320010565
D.O.T. Compliant	Yes (when ordered with "D.O.T" designation)
Pressure Tested	Yes, to rated working pressure

8. PACKAGE CONTENTS

Upon opening the package, you should find the following item:

- 1 x Fragola 360030 Brake Hose Assembly

9. WARRANTY AND SUPPORT

Warranty Information

Fragola Performance Systems products are manufactured to high standards. For specific warranty terms and conditions, please refer to the documentation provided with your purchase or visit the official Fragola Performance Systems website. Keep your proof of purchase for any warranty claims.

Customer Support

If you have any questions regarding the installation, operation, or maintenance of your Fragola 360030 Brake Hose Assembly, or if you encounter any issues, please contact Fragola Performance Systems customer support directly. Contact information can typically be found on their official website or product packaging.