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- › [AGS](#) /
- › [AGS BL520 Brake Lines User Manual](#)

AGS BL520

AGS BL520 Brake Lines User Manual

Model: BL520

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your AGS BL520 Brake Line. The AGS BL520 is a high-quality steel brake line designed for automotive braking systems. Please read this manual thoroughly before installation to ensure safety and optimal performance.

PRODUCT OVERVIEW

The AGS BL520 is a durable steel brake line, measuring 20 inches in length, designed to withstand the pressures and conditions of an automotive braking system. It features standard fittings for secure connections.



Image: A close-up view of the AGS BL520 steel brake line, showing the main steel tubing and the two threaded brass-colored fittings at each end. The line appears straight and rigid.

Key Features:

- **Material:** Constructed from durable alloy steel for longevity and resistance to corrosion.
- **Dimensions:** Measures 20 inches (50.8 cm) in length and 0.5 inches (1.27 cm) in width.
- **Nominal Wall Thickness:** 1.3 mm, providing robust performance.
- **Application:** Designed as a replacement auto part for brake systems.

SPECIFICATIONS

Attribute	Detail
Brand	AGS

Attribute	Detail
Model Number	BL520
Material	Alloy Steel
Color	Steel
Product Dimensions (L x W)	20"L x 0.5"W (50.8 cm x 1.27 cm)
Nominal Wall Thickness	1.3 mm
Item Weight	2.4 ounces (0.068 kg)
UPC	077146359163

INSTALLATION GUIDELINES

Installation of brake lines should only be performed by qualified personnel with appropriate tools and safety equipment. Improper installation can lead to brake system failure and serious injury.

Required Tools and Materials:

- Flare nut wrenches
- Brake fluid (compatible with your vehicle)
- Drain pan
- Safety glasses and gloves
- Torque wrench

Installation Steps:

1. **Safety First:** Ensure the vehicle is securely lifted and supported on jack stands. Disconnect the negative terminal of the battery.
2. **Drain Brake Fluid:** Place a drain pan under the master cylinder or the lowest point of the brake system. Open the bleeder valves to drain the old brake fluid.
3. **Remove Old Line:** Carefully loosen and remove the fittings connecting the old brake line. Be prepared for residual brake fluid to leak.
4. **Inspect Connections:** Before installing the new line, inspect the mating surfaces for corrosion or damage. Clean as necessary.
5. **Install New Line:** Route the new AGS BL520 brake line exactly as the original. Ensure there are no kinks or sharp bends. Hand-tighten the fittings first to avoid cross-threading.
6. **Tighten Fittings:** Using a flare nut wrench, tighten the fittings to the manufacturer's specified torque.*Do not overtighten.*
7. **Refill and Bleed:** Refill the master cylinder with new, clean brake fluid. Bleed the entire brake system according to your vehicle's service manual to remove all air.
8. **Check for Leaks:** After bleeding, apply firm pressure to the brake pedal and check all new connections for leaks. Repeat this process several times.
9. **Test Drive:** Perform a low-speed test drive in a safe area to confirm proper brake function before normal operation.

OPERATION

The AGS BL520 Brake Line is a passive component within your vehicle's hydraulic braking system. Its primary function is to safely transfer hydraulic pressure from the master cylinder to the brake calipers or wheel cylinders, enabling the vehicle to slow down or stop. Once properly installed and the brake system is bled, the brake line operates continuously as part of the braking circuit.

Proper operation relies on a sealed system free from leaks and air. Any compromise to the integrity of the brake line or its connections will directly impact braking performance.

MAINTENANCE

Regular inspection and maintenance are crucial for the longevity and safety of your brake system, including the AGS BL520 Brake Line.

- **Visual Inspection:** Periodically inspect the brake line for signs of corrosion, kinks, dents, or abrasions. Pay close attention to the areas around the fittings.
- **Leak Checks:** Check for any signs of brake fluid leaks around the fittings or along the length of the line. Even small leaks can indicate a serious problem.
- **Fluid Condition:** Ensure brake fluid levels are maintained and the fluid itself is clean. Contaminated or old brake fluid can degrade internal components and lead to line failure.
- **Secure Mounting:** Verify that the brake line is securely fastened by its mounting clips or brackets, preventing excessive vibration or rubbing against other components.
- **Professional Check:** It is recommended to have your brake system, including brake lines, inspected by a certified mechanic during routine vehicle maintenance.

TROUBLESHOOTING

If you experience issues with your braking system after installing or while using the AGS BL520 Brake Line, consider the following common problems and solutions:

- **Soft or Spongy Brake Pedal:**
Possible Cause: Air in the brake lines.
Solution: Re-bleed the entire brake system thoroughly. Ensure all bleeder valves are properly sealed after bleeding.
- **Brake Fluid Leak:**
Possible Cause: Loose or improperly tightened fittings, damaged line, or faulty flare.
Solution: Inspect all connections for tightness. If a leak persists, the line or fitting may be damaged and require replacement. Do not drive the vehicle with a brake fluid leak.
- **Brakes Not Engaging Properly:**
Possible Cause: Insufficient hydraulic pressure due to air, leaks, or a blockage.
Solution: Check for leaks and air in the system. Ensure the brake line is not kinked or obstructed. Verify master cylinder function.
- **Unusual Noises from Brakes:**
Possible Cause: While brake lines themselves typically do not cause noise, issues with other brake components (pads, rotors, calipers) can be exacerbated by a compromised hydraulic system.
Solution: Inspect the entire brake system, including pads, rotors, and calipers, for wear or damage. Ensure the brake line is not rubbing against other components.

Note: For any persistent or severe braking issues, consult a certified automotive technician immediately. Do not attempt to drive a vehicle with compromised brakes.

WARRANTY INFORMATION

For specific warranty terms and conditions regarding the AGS BL520 Brake Line, please refer to the official AGS manufacturer's warranty documentation provided with your purchase or visit the AGS official website. Warranty coverage typically addresses manufacturing defects and material flaws under normal use conditions.

CUSTOMER SUPPORT





If you require further assistance, have questions about the AGS BL520 Brake Line, or need technical support, please contact AGS customer service through their official channels. You can typically find contact information on the manufacturer's website or on the product packaging.




For general inquiries or to find more products from AGS, you may visit the [AGS Store on Amazon](#).



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Related Documents - BL520

	<p>AGS TP-DS-CO2RHT-BMS Digital Duct Mount CO2, Temperature, and Humidity Sensor Specification Sheet</p> <p>This document details the specifications for the AGS TP-DS-CO2RHT-BMS, a digital duct mount sensor for CO2, temperature, and humidity. It features NDIR technology, BACnet MS/TP and Modbus RTU compatibility, and automatic calibration for HVAC applications.</p>
	<p>General Bluetooth Cell Phone Configuration for VRS Networks with TSC2</p> <p>A comprehensive guide detailing the steps for configuring Bluetooth-enabled cell phones to work with VRS Networks using the TSC2 device. Covers initial phone setup, Bluetooth pairing, network connection creation, and internet connection testing.</p>
	<p>Merlin RG Series VRF Refrigerant Gas Sensor Installation and Operation Manual</p> <p>Comprehensive installation and operation manual for the AGS Merlin RG Series VRF Refrigerant Gas Sensor. Covers important safety information, installation procedures, wiring, configuration, operation, calibration, and technical specifications.</p>
	<p>Merlin Gas Detector i-S: Installation, Operation & Maintenance Manual by American Gas Safety</p> <p>This manual provides detailed instructions for the American Gas Safety Merlin Gas Detector i-S, covering installation, operation, maintenance, troubleshooting, and specifications for refrigerant gas detection.</p>

<div data-bbox="124 107 296 353"><div><div>Merlin RG Series</div><div>DS - CO2 Duct Sensor</div></div><div></div><div><div>INSTALLATION & OPERATION</div><div><small>Read and follow instructions carefully. Safety and other important information. These instructions are intended for qualified installers only. Do not proceed if you are not qualified.</small></div><div></div><div>americangassafety.com</div><div><small>©2018 American Gas Safety, Inc. All rights reserved. AGS-18-001-001-001</small></div></div></div>	<div data-bbox="341 174 1477 286"><p>Merlin RG Series VRF Refrigerant Gas Sensor Installation and Operation Manual</p><p>Comprehensive installation and operation guide for the AGS Merlin RG Series VRF Refrigerant Gas Sensor, covering safety, installation, operation, calibration, and technical specifications.</p></div>
<div data-bbox="124 421 296 568"><div><div>Merlin DS Series</div><div>DS - CO2 Duct Sensor</div></div><div></div><div><div>INSTALLATION & OPERATION</div><div><small>Read and follow instructions carefully. Safety and other important information. These instructions are intended for qualified installers only. Do not proceed if you are not qualified.</small></div></div></div>	<div data-bbox="341 470 1477 622"><p>Merlin DS Series DS - CO2 Duct Sensor Installation & Operation Manual</p><p>Installation and operation manual for the Merlin DS Series DS - CO2 Duct Sensor, detailing setup, wiring, configuration, and technical specifications for monitoring carbon dioxide levels in ventilation systems.</p></div>