

[Manuals.plus](#) /

› [ARES](#) /

› ARES 1021001 12-Piece Master Cylinder Bleeder Kit Instruction Manual

ARES 1021001

ARES 1021001 12-Piece Master Cylinder Bleeder Kit Instruction Manual

PRODUCT OVERVIEW

The ARES 1021001 12-Piece Master Cylinder Bleeder Kit is designed to facilitate the efficient removal and refilling of brake fluid in various vehicle brake systems. This comprehensive kit includes a range of adapters compatible with most current master cylinder reservoirs, ensuring broad application across different car manufacturers. It is specifically engineered to work seamlessly with ARES 70921, ARES 18051, and ARES 18053 brake fluid bleeders.



Image: The ARES 1021001 12-Piece Master Cylinder Bleeder Kit displayed in its custom molded red storage case, showcasing the various adapters and components.

SAFETY INFORMATION

Always wear appropriate personal protective equipment, including safety glasses and gloves, when working with brake fluid. Brake fluid can damage painted surfaces; ensure proper precautions are taken to prevent spills. Dispose of used brake fluid according to local environmental regulations. Ensure the vehicle is securely supported on jack stands or a lift before beginning any work.

KIT CONTENTS

The ARES 1021001 Master Cylinder Adapter Set includes the following components, neatly organized in a custom molded case for easy transportation and storage:

- One rectangular adapter for Chrysler and GM vehicles.
- One adapter for Toyota and Lexus vehicles (43mm).
- Ten round adapters with internal diameter sizes: 29mm, 34.5mm, 42mm, 43.5mm, 47mm, 49.5mm, 50.7mm, 56mm, and 74mm.
- Brackets, washers, and J-bolts for secure attachment.
- Chains for universal adapter applications.
- Custom molded storage case.

**70921**
2L

MANUAL BRAKE FLUID BLEEDER

**18051**
4L

MANUAL BRAKE FLUID PRESSURE BLEEDER

**18053**
4L

MANUAL BRAKE FLUID PRESSURE BLEEDER SET

**BRAKE BLEEDER COMPATIBILITY**
ARES 1021001 IS EXCLUSIVELY COMPATIBLE WITH:

***ARES 1021001 12-PIECE MASTER CYLINDER ADAPTER SET DOES NOT WORK WITH OTHER COMMON BRANDS OF BRAKE BLEEDERS**

Image: A detailed view of all 12 adapters, brackets, washers, J-bolts, and chains included in the ARES Master Cylinder Adapter Kit, laid out on a surface.

COMPATIBILITY

This adapter set is designed for extensive compatibility with a wide range of vehicle makes and models. It is specifically designed to integrate with ARES brake fluid bleeders for optimal performance.

ARES Brake Bleeder Compatibility:

The Master Cylinder Adapters in this set are made to work exclusively with the following ARES brake fluid bleeders:

- ARES 70921 - 2L Manual Brake Fluid Bleeder
- ARES 18051 - 4L Manual Fluid Pressure Bleeder
- ARES 18053 - 4L Manual Fluid Pressure Bleeder and 1L Reservoir Bottle

Note: The quick connect coupler that attaches to these adapters is only included with ARES 70921, 18051, and 18053 bleeders and is not available for individual purchase.



Image: Visual representation of the ARES Master Cylinder Adapter Kit alongside the compatible ARES 70921, 18051, and 18053 brake bleeder units.

Vehicle Compatibility:

Adapters are designed for use with master cylinders found in a wide range of vehicles, including but not limited to:

- Chrysler, Dodge, Jeep, Plymouth
- GM (most late model), Buick, Cadillac, Chevrolet, GMC, Hummer, Oldsmobile, Pontiac
- Some Mazda, Daewoo, Ford (late model), Kia, Mini
- Honda (including Accord), Nissan, Hyundai, Mitsubishi, Subaru
- Some Lincoln, Toyota, and Lexus
- Most European cars

ADAPTER COMPATIBILITY							
							
Toyota and Lexus Inner Dia: 43mm	Universal Inner Dia: 47mm Outer Dia: 85.5mm	Universal Inner Dia: 29mm Outer Dia: 55mm	Chrysler/GM	34.5MM 53.5MM Nissan	56MM 79.5MM Honda Accord	74MM 93MM Honda	42MM 57.5MM Alfa Romeo, Audi, BMW, Jaguar, Land Rover, Mercedes, Peugeot, Porsche, Renault, Saab, VW, Volvo, Chrysler Crossfire, Daewoo, late Model Ford, Kia, Some Mazda, and Mini
							
				43.5MM 49MM Chrysler, Dodge, Jeep, Plymouth	43.5MM 51.5MM Chrysler, Dodge, Jeep, Plymouth	50.7MM 57MM All Hyundai, Mitsubishi, Nissan, and Subaru, some Chrysler/Dodge, some Ford/Lincoln	49.5MM 66.5MM Most Late Model GM Cars (Buick, Cadillac, Chevrolet, GMC, Hummer, Oldsmobile, Pontiac), and some Mazda

Image: A chart illustrating the compatibility of various master cylinder adapters with different vehicle manufacturers and specific dimensions.

SETUP

1. **Prepare the Master Cylinder:**

Before attaching any adapter, ensure the master cylinder reservoir and surrounding area are thoroughly cleaned to prevent contaminants from entering the brake system. Remove as much old brake fluid as possible from the reservoir using a fluid extractor, then refill with new, clean brake fluid from a sealed container.

2. **Select the Correct Adapter:**

Identify the appropriate adapter from the 12-piece set that matches your vehicle's master cylinder reservoir. Consider both the diameter and the cap style (screw-on, bayonet, or universal bracket). If unsure, measure the inside and outside diameters of your master cylinder opening.

3. **Attach the Adapter:**

Securely attach the selected adapter to the master cylinder reservoir. For screw-on adapters, hand-tighten until snug. For universal adapters, use the provided brackets, washers, and J-bolts to create a firm seal. Avoid overtightening to prevent damage or warping, which could lead to leaks.

4. **Connect to ARES Bleeder:**

Connect the quick-connect coupler from your ARES 70921, 18051, or 18053 brake bleeder to the adapter on the master cylinder. Ensure a secure connection to maintain pressure during the bleeding process.

5. **Fill the Pressure Bleeder:**

Fill your ARES pressure bleeder with new, clean brake fluid. It is recommended to use at least one quart of fluid to ensure you do not run out during the bleeding process, which could introduce air into the system.

6. **Pressurize the System:**

Pump the handle of the pressure bleeder to pressurize the system to approximately 10 PSI. Do not exceed recommended pressure to avoid damaging the master cylinder or adapters.

Your browser does not support the video tag.

Video: ARES Tool 70921, 70923 and 18007 How To and Overview. This video demonstrates the setup and use of the ARES Master Cylinder Adapter Kit with compatible brake bleeders, including preparing the master cylinder and connecting the adapters.

OPERATING INSTRUCTIONS (BRAKE BLEEDING)

Once the system is set up and pressurized, proceed with bleeding the brakes. Always follow the vehicle manufacturer's recommended bleeding sequence, typically starting with the wheel farthest from the master cylinder.

1. **Prepare for Bleeding:**

Attach a clear hose to the bleeder screw of the caliper or wheel cylinder you are bleeding. Place the other end of the hose into a clear container partially filled with new brake fluid to observe air bubbles.

2. **Open Bleeder Screw:**

Using an appropriate wrench, slowly open the bleeder screw. The pressurized fluid from the master cylinder will begin to flow through the hose into the container. Observe the fluid for air bubbles.

3. **Monitor Fluid Flow:**

Allow the fluid to flow until no more air bubbles are visible in the clear hose. Ensure the master cylinder

reservoir remains adequately filled throughout the process by monitoring the fluid level in your pressure bleeder.

4. **Close Bleeder Screw:**

Once the fluid runs clear and bubble-free, close the bleeder screw tightly. Remove the hose.

5. **Repeat for All Wheels:**

Repeat the bleeding process for each wheel according to the manufacturer's specified sequence. Regularly check the pressure in your ARES bleeder and repressurize if necessary.

6. **Final Steps:**

After bleeding all wheels, release the pressure from the ARES bleeder and carefully remove the adapter from the master cylinder. Top off the master cylinder reservoir to the "MAX" line with fresh brake fluid. Test the brake pedal for firmness before driving the vehicle.

Your browser does not support the video tag.

Video: ARES 1021001-12-Piece Master Cylinder Bleeder Kit Demo. This video provides a demonstration of the brake bleeding process using the ARES kit, showing how to connect to the master cylinder and bleed the brake lines.

MAINTENANCE

Proper maintenance of your ARES Master Cylinder Adapter Kit ensures longevity and reliable performance.

- **Cleaning:** After each use, thoroughly clean all adapters and components with brake cleaner to remove any residual brake fluid.
- **Storage:** Store the kit in its custom molded case in a dry, clean environment to protect components from damage and corrosion.
- **Fluid Disposal:** Always dispose of used brake fluid responsibly and in accordance with local environmental regulations. Do not pour used brake fluid down drains or onto the ground.

TROUBLESHOOTING

- **Air in the System After Bleeding:**

Ensure all connections are tight and leak-free. Verify the master cylinder reservoir did not run dry during the bleeding process. Re-bleed the system, paying close attention to the manufacturer's recommended sequence and ensuring no air enters through loose connections or an empty reservoir.

- **Adapter Leaks:**

Check that the correct adapter is used for your master cylinder. Ensure the adapter is securely tightened but not overtightened. Inspect rubber seals and O-rings for wear or damage and replace if necessary.

- **Difficulty Pressurizing Bleeder:**

Verify that all connections on the bleeder and adapter are tight. Check the bleeder unit itself for any leaks or damage. Ensure the pressure relief valve is closed.

SPECIFICATIONS

Attribute	Detail
Brand	ARES
Model Number	1021001 (Kit), 69969 (Item)

Item Weight	6.29 pounds
Product Dimensions	19.09 x 12.13 x 3.98 inches
Manufacturer	ARES

WARRANTY AND SUPPORT

The ARES 1021001 Master Cylinder Adapter Set is backed by our Performance Assurance Limited Lifetime Warranty. If you encounter any issues with your product, please contact customer service for troubleshooting assistance, parts, replacement, or a refund.

For additional support and product information, visit the [ARES Store](#).