

## ARES 18038

# ARES 18038-9-Piece Master Cylinder Adapter Set

Instruction Manual

## INTRODUCTION

The ARES 18038-9-Piece Master Cylinder Adapter Set is designed to facilitate brake fluid bleeding procedures. This set provides a range of adapters compatible with various vehicle master cylinder reservoirs, ensuring a secure connection for efficient fluid removal and refilling when used with a compatible brake fluid bleeder, such as the ARES 18036 3L Manual Brake Fluid Bleeder.

This manual outlines the components of the set, their applications, and general guidelines for use and maintenance.

## What's Included

- 9 Master Cylinder Adapters
- 1 Custom Molded Storage and Carrying Case



## 9-PIECE MASTER CYLINDER ADAPTER SET



### INCLUDES

9 pc. Master Cylinder  
Adapters, and  
1 pc. Custom molded  
storage & carrying case

*\*Only works with specified size,  
customer must measure and  
confirm master cylinder before purchase*

**DESIGNED FOR USE WITH ARES 18036  
BRAKE FLUID BLEEDER DURING BRAKE  
FLUID CHANGES**

Image: The ARES 18038-9-Piece Master Cylinder Adapter Set displayed within its custom molded storage case, showing all nine adapters and the hose connection.

## PRODUCT OVERVIEW

This adapter set is engineered to provide a reliable seal on master cylinder reservoirs during brake fluid service. The adapters are constructed from aluminum for durability and are designed to withstand pressures greater than 50 psi. Many adapters feature a 90-degree swivel connector, enhancing usability in confined or difficult-to-access areas.

### Adapter Sizes and Compatibility

The set includes adapters designed to fit a wide range of master cylinder reservoirs, covering approximately 92% of vehicle models from 2000 to 2020. It is crucial to verify the correct adapter size for your specific vehicle's master cylinder before use.

- Adapter for GM & Chevrolet
- 42mm Adapter for Toyota
- 34mm Adapter for Ford, Hyundai, Mazda, Mitsubishi, Nissan, & Subaru
- 56mm Adapter for Honda
- 46.5 x 3.5 threaded Adapter for European Vehicles
- 36mm Adapter for Mazda & Suzuki
- 24mm Adapter for Nissan
- 30mm Adapter for Chrysler, Dodge, Jeep, & Ram
- M79.5 x P3.0 Adapter for Volvo S40/V40 2000-2004, Mitsubishi & Subaru



## 9-PIECE MASTER CYLINDER ADAPTER SET

### ADAPTER SIZES:

*(interior diameters unless otherwise specified)*

42mm, 34mm, 56mm, 46.5 x 3.5 threaded,  
36mm, 24mm, 30mm, and M79.5 x P3.0 threaded,  
and adapter for GM and for Chevrolet



**WORKS ON  
DISC  
AND DRUM  
BRAKE  
SYSTEMS**

**ADAPTERS  
MADE OF  
ALUMINUM**

Image: A detailed view of several master cylinder adapters, highlighting their different sizes and the 90-degree swivel connectors.



**ARES****9-PIECE MASTER CYLINDER ADAPTER SET****COMPATIBLE WITH 92%  
OF MASTER CYLINDER RESERVOIRS  
FROM MODEL YEARS 2000-2020**

**APPLICATIONS INCLUDE:** Buick, Chevrolet, Chrysler, Dodge, Ford, GM, Honda, Hyundai, Jeep, Kia, Mazda, Mitsubishi, Nissan, RAM, Subaru, Suzuki, Toyota, Audi, Alfa Romeo, BMW, Citroen, Fiat, Jaguar, Land Rover, Mercedes-Benz, Opel, Peugeot, Renault, Volkswagen, and Volvo

Image: The adapter set in its case, with text indicating compatibility with numerous vehicle manufacturers and models from 2000-2020.

## SETUP

1. **Identify Master Cylinder:** Locate the master cylinder reservoir on your vehicle.
2. **Clean Reservoir Area:** Thoroughly clean the area around the master cylinder reservoir cap to prevent contaminants from entering the brake system.
3. **Select Correct Adapter:** Refer to the adapter size list or your vehicle's service manual to select the appropriate adapter from the ARES 18038 set. Measure your master cylinder opening if unsure.
4. **Attach Adapter:** Securely attach the selected adapter to the master cylinder reservoir. Ensure a tight seal to prevent air leaks during the bleeding process.
5. **Connect to Bleeder:** Connect the adapter's quick-connect coupling to your brake fluid bleeder (e.g., ARES 18036 3L Manual Brake Fluid Bleeder).



Image: The ARES 18038 adapter set positioned on a workbench in a garage setting, illustrating its readiness for automotive brake service.

## OPERATING INSTRUCTIONS

These adapters are designed to be used in conjunction with a pressure brake fluid bleeder. Always follow the specific operating instructions provided with your brake fluid bleeder for the complete bleeding procedure.

1. **Prepare Bleeder:** Fill your brake fluid bleeder with new, clean brake fluid according to its instructions.
2. **Pressurize System:** Once the adapter is securely attached to the master cylinder and connected to the bleeder, pressurize the system to the recommended PSI (typically 10-15 PSI, but refer to your bleeder's manual and vehicle specifications). The adapters are designed to hold pressure greater than 50 psi.
3. **Bleed Brakes:** Proceed to bleed each brake caliper or wheel cylinder, starting with the one furthest from the master cylinder and working your way closer. Open the bleeder screw on the caliper/cylinder, allowing fluid to flow until no air bubbles are visible. Close the bleeder screw.
4. **Monitor Fluid Level:** Continuously monitor the fluid level in the brake fluid bleeder and the master cylinder reservoir to ensure it does not run dry. Refill as necessary.
5. **Depressurize and Disconnect:** Once all brakes are bled, depressurize the system (if applicable to your bleeder) and carefully disconnect the adapter from the master cylinder.
6. **Replace Master Cylinder Cap:** Reinstall the original master cylinder reservoir cap.

**Safety Note:** Brake fluid is corrosive. Avoid contact with skin and painted surfaces. Always wear appropriate personal protective equipment, including safety glasses and gloves.

## MAINTENANCE

- **Cleaning:** After each use, clean the adapters thoroughly to remove any brake fluid residue. Use a suitable brake cleaner or mild soap and water, then dry completely.
- **Inspection:** Regularly inspect adapters for any signs of wear, damage, or corrosion. Ensure O-rings and seals are intact and pliable. Replace any damaged components.
- **Storage:** Store the adapter set in its custom molded carrying case in a clean, dry environment to protect it from damage and contamination.

## TROUBLESHOOTING

If you encounter issues during the brake bleeding process, consider the following:

- **Fluid Leakage/Loss of Pressure:**
  - Ensure the correct adapter is used and securely tightened onto the master cylinder reservoir.
  - Check the O-rings and seals on the adapter for damage or improper seating.
  - Verify all connections to the brake fluid bleeder are tight.
- **Air in System After Bleeding:**
  - Confirm the master cylinder reservoir did not run dry during the process.
  - Ensure bleeder screws on calipers/cylinders were properly tightened after bleeding.
  - Re-bleed the system, paying close attention to proper procedure.

For further assistance, please contact ARES customer service.

## SPECIFICATIONS

Feature	Detail
Model Number	18038
Number of Adapters	9
Material	Aluminum
Pressure Rating	Holds pressure greater than 50 psi
Compatibility	Fits up to 92% of master cylinder reservoirs (model years 2000-2020)
Item Weight	5.06 pounds
Product Dimensions	13.58 x 3.54 x 7.87 inches

## WARRANTY AND SUPPORT

### Limited Lifetime Warranty

The ARES 18038-9-Piece Master Cylinder Adapter Set is backed by a Performance Assurance Limited Lifetime Warranty. For any issues with your product, please contact ARES customer service for troubleshooting



assistance, parts, replacement, or refund.






Image: The ARES Performance Assurance Limited Lifetime Warranty emblem.

## Customer Support

For product inquiries, technical support, or to download a digital copy of this manual, please visit the official ARES website or contact their customer service department. Contact information can typically be found on the product packaging or the ARES official website.

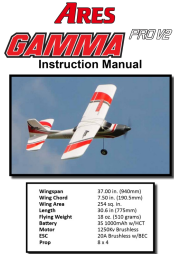
## Related Documents - 18038

 <p>The cover of the Master Cylinder Adapter Kit User Manual shows a blue plastic carrying case filled with various metal adapters and tools. The title "Master Cylinder Adapter Kit User Manual" is printed at the top.</p>	<p><a href="#">ARES Master Cylinder Adapter Kit User Manual</a></p> <p>User manual for the ARES Master Cylinder Adapter Kit, providing detailed instructions for assembly, operation, maintenance, safety precautions, and specifications. Includes a comprehensive package list.</p>
 <p>The cover of the Ares Z Line 7" FPV Monitor Instruction Manual features a black FPV monitor with the ARES logo. The title "FPV Monitor Instruction Manual" is prominently displayed.</p>	<p><a href="#">Ares Z Line 7" FPV Monitor Instruction Manual</a></p> <p>Comprehensive instruction manual for the Ares Z Line 7" Standard Definition FPV Monitor. Covers setup, features, safety advice, specifications, and warranty information for the AZSZ1020 model.</p>
 <p>The cover of the ARES 32PC Cooling System Pressure Tester &amp; Vacuum-Type Coolant Refill Kit - Operations Manual shows the components of the kit, including a pressure gauge, hoses, and a vacuum pump. The title is at the top.</p>	<p><a href="#">ARES 32PC Cooling System Pressure Tester &amp; Vacuum-Type Coolant Refill Kit - Operations Manual</a></p> <p>This operations manual provides detailed instructions for the ARES 32PC Cooling System Pressure Tester &amp; Vacuum-Type Coolant Refill Kit. It covers features, specifications, safety warnings, step-by-step operating procedures for vacuum-type coolant refilling and pressure testing, radiator cap testing, and a comprehensive list of vehicle applications.</p>



### [ARES zClock-6000 Hidden Wireless Camera Quick Start Guide](#)

Quick start guide for the ARES zClock-6000, a desk clock with a hidden wireless camera. Learn how to install the battery, set up the Tuya Smart app, connect to Wi-Fi, configure the alarm clock, and manage device settings.



### [Ares Gamma Pro V2 RC Airplane Instruction Manual](#)

Comprehensive instruction manual for the Ares Gamma Pro V2 Radio Controlled airplane, covering assembly, flight controls, NFP system, battery charging, and warranty.