

Brake Fluid Bleeder

User Manual

Read Carefully Before Use

Keep for Future Reference



OMT
Orion Motor Tech

Disclaimer

Read this disclaimer completely and carefully before proceeding with the rest of the manual content.

1. Product Modifications

Any modifications or alterations to Orion Motor Tech (OMT) products void any warranties and may result in damage or injury. OMT shall not be liable for any damages resulting from such modifications or alterations.

2. Compliance with Laws

Customers shall be liable for ensuring that the use of OMT products complies with all applicable laws and regulations in their respective jurisdictions. OMT shall not be responsible for any violations of laws or regulations resulting from the use of OMT products.

3. Correct Use

Always use OMT products only as directed in the accompanying manuals. Failure to follow instructions may result in injury or damage.

Always ensure the assembly, installation, operation, maintenance, or repair of OMT products is carried out by a competent person.

Regular maintenance should be performed throughout the lifecycle of OMT products. You are responsible for ensuring the products operate as intended.

Always wear appropriate protective gear.

4. Third-Party Products

OMT shall not be liable for any damages or losses resulting from the use of third-party products in conjunction with OMT products. Customers shall refer to the third-party's guidelines and/or warranties (if any) for any third-party products used.

5. Limitation of Liability

OMT shall not be liable for any direct, indirect, punitive, incidental, special, or consequential damages to property or life, whatsoever arising out of or connected with the use or misuse of OMT products. In no event shall OMT's liability exceed the value of the products sold.

6. Warranty

Refer to the sales page for warranty information.

This disclaimer states the entire obligation of OMT with respect to OMT products. If any part of this disclaimer is determined to be void, invalid, unenforceable, or illegal, including but not limited to the warranty disclaimers, liability disclaimers, and liability limitations set forth above, the invalid or unenforceable provision will be deemed superseded by a valid and enforceable provision that most closely matches the intent of the original provision and the remainder of the agreement shall remain in full force and effect.

Contact Us

Thank you for choosing our products! If you have any questions or comments, contact us and we'll address your issues ASAP!



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Safety Information

Danger

- The instructions provided here are for general information only. **ALWAYS** perform all repairs in full compliance with your vehicle's service manual. **ALWAYS** use the brake fluid type and amount listed in the service manual. After completing any repair, test your engine and vehicle in your workshop at a low speed before resuming regular use. Failure to do so may result in serious property damage and severe personal injury.
- **DO NOT** allow use by children, individuals whose mental or physical conditions prevent safe operation, or persons unfamiliar with this product and its compatible brake systems.
- **ALWAYS** use personal protective equipment (PPE) suitable for your task. While using this product, always wear ANSI-approved eye and hand protection. Nonslip footwear is also highly recommended. Other equipment, such as ear, head, and body protection, may also be necessary depending on your work.
- **ALWAYS** familiarize yourself with your vehicle's specific safety warnings and instructions before using this kit. Use the correct fluids, pressures, adapters, etc. for your vehicle. Ensure the vehicle is fully supported and parked before beginning any work. **NEVER** touch any heated surface with exposed skin.
- **ALWAYS** ensure that your vehicle has been jacked up and is adequately supported with axle stands.
- **DO NOT** overreach. Keep proper footing and balance at all times.
- **DO NOT** use excessive pressure on this product or force it or its attachments.
- Maintain this product. Check for misalignment, binding, wear, or other damage before use. If any damage is detected, repair or replace the problematic components before further use. In a large shop, mark such tools "**DO NOT USE**" until they have been repaired. Only replace components with identical parts.

Warning

- **DO NOT** use this product if you are tired or under the influence of drugs, alcohol, or strong medication.
- Keep your work site clean and well-lit. Cluttered and dark work areas increase the risk of accidents.
- For best results, keep the kit clean and dry. Remove any fluid, oil, or grease before and after work.
- Dress appropriately for automotive servicing. Do not wear loose clothing or jewelry. Keep hair, clothing, gloves, hoses, and tools from moving parts during use.
- In case of an accident or injury, have a first aid kit and a communication device (e.g., a phone) readily available. Know the location of emergency medical facilities.
- Vehicle repair is an inherently dangerous activity. This manual and the separate vehicle service manual cannot cover all possible situations that may arise. **ALWAYS** exercise discretion and good judgment. Seek training if needed.

Specifications

Material	Polyethylene, Silicone, Nylon	
Dimensions	9.8 × 5.3 × 8.3 in.	25 × 13.4 × 21 cm
Capacity	0.8 qt.	750 mL
Hose Length	78.7 in.	2 m
Net Weight	1.4 lb.	0.6 kg

Parts List



No.	Item	Qty.
A	Reservoir	1
B	Vacuum Pistol with Bleeding Hose & 10 mm Air Compressor Adapter	1
C	12 mm Air Compressor Adapter	1
D	Spare Hose Adapter	1
E	Spare Caliper Bleeder Connector	1
F	Brake Fluid Reservoir Adapters	8

Operation

Warning

- Shut off the engine before servicing, ensure the vehicle is stationary for easy maintenance, and allow the engine to cool to room temperature before performing any maintenance or adjustments.
- The exact procedure for brake maintenance can vary between models. In particular, antilock braking systems (ABS) may require the ignition to be activated or the engine to be run at various points. Always refer to your vehicle's specific service manual for the proper details of brake servicing.
- Use the correct tools and personal protective equipment (PPE) before operating. Be extremely careful with possible pinch points, moving parts, or parts that may suddenly spring out.
- Ensure your surroundings are safe when using the tool. Avoid operating in crowded or unstable areas.
- Ensure the work area is clean and clear of any clutter or dirt affecting operations.
- **DO NOT** force the tool. Excessive force may cause serious personal injuries and severe property damage.
- For your safety, we recommend completing training before using these tools. A lack of training could result in serious injury.

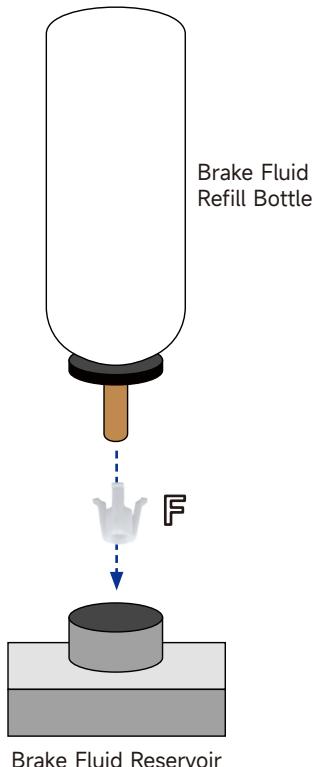
Replacing the Brake Fluid

1. Turn off your vehicle's engine and activate its parking brake.
2. Jack up the vehicle with stands and remove the wheels.
3. Locate the engine's brake fluid reservoir, remove its cap, and draw out as much fluid as possible with a syringe (not included).
4. Select the compatible adapter (F) for the brake fluid reservoir and attach it to your brake fluid refill bottle (not included).

5. Insert the bottle into the reservoir to fill it with new brake fluid.

 **Caution**

- Do not allow dirt or other foreign matter to enter the brake fluid reservoir.
- Avoid spilling the brake fluid on your vehicle's paint. If any does accidentally spill, clean the area immediately and thoroughly to minimize damage.



6. When refilling is complete, remove the bottle and reattach the reservoir cap.

Setting Up the Bleeder Kit

1. Screw the vacuum pistol (B) onto the reservoir (A).



2. Based on the connector size of your air compressor's hose, replace the 10 mm air compressor adapter on the vacuum pistol with the 12 mm one (C) if necessary.

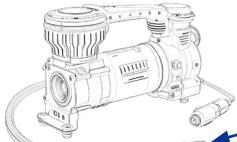


3. Remove any grime from around the brake caliper you will start with.

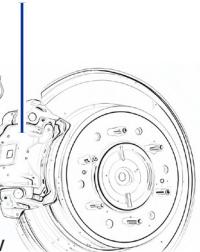
The best order to bleed your vehicle's brakes should be indicated in its service manual.

4. Ensure the bleeding hose is tightly connected to the vacuum pistol, connect the bleeding hose to the brake caliper's bleeding screw.
5. Connect your air compressor's hose to the air compressor adapter.

Air Compressor



Brake Caliper



6. Hang the bleeder kit on your vehicle using its hooks as needed.

Bleeding the Brake Fluid

1. Loosen the bleeding screw with a wrench (not included).
2. Turn on your air compressor and set its regulator between 90 and 120 psi (6–8 bars).
3. Start bleeding fluid and any trapped air out of your brake system by squeezing the vacuum pistol's handle.
Fluid should begin draining from the caliper into the bleeder's reservoir.
4. Secure the squeezed handle with the handle lock as needed.



5. Assist the bleeding process by periodically pumping on your vehicle's brake pedal.
6. Stop draining once the fluid coming through the bleeding hose becomes clear.
7. Refasten the bleeder screw and disconnect the bleeding hose.
8. Refill your engine's brake fluid reservoir.
9. Repeat this process for the calipers on the other wheels, remembering to remove any grime from each caliper before connection.

Finishing-Up

After bleeding each caliper:

1. Reinstall the wheels.
2. Test your brake pedal.

If it does not feel firm, bleed any air from the system, add more fluid, and/or correct any other problems before using the vehicle.

3. When the brake pedal responds firmly at rest, take a slow drive while periodically testing the brake pedal.

Again, correct any problems before continuing to use the vehicle.

Maintenance

- Check the condition of this tool set before and after each use. Repair any damage detected before further use.
- If the caliper bleeder connector or its adapter on the bleeding hose is worn or damaged, replace it with the spare one (D or E).
- Clean any grime or fluid away using a soft, damp cloth and a mild detergent after each use. Avoid using caustic chemicals or harsh abrasives.
- If the tool set will not be used for an extended period, store it in a cool, dry place away from direct sunlight and out of children's reach.



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