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## Yato YT-0673

# Yato YT-0673 16-Piece Hand Vacuum Pump

## INSTRUCTION MANUAL

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### 1. Introduction

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This manual provides detailed instructions for the safe and effective use of the Yato YT-0673 16-piece Hand Vacuum Pump. This versatile tool is designed for various automotive applications, including vacuum testing and brake bleeding. Please read this manual thoroughly before operating the device to ensure proper function and to prevent personal injury or damage to the equipment.

### 2. Safety Information

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Always prioritize safety when using any tools. Failure to follow these instructions can result in personal injury or equipment damage.



Image 2.1: Visual representation of essential safety warnings and recommended personal protective equipment (PPE) including safety goggles, face shield, hearing protection, safety boots, and gloves.

- **Read Operating Instructions:** Always read and understand the operating instructions before using the device.
- **Personal Protective Equipment (PPE):** Always wear appropriate PPE, including safety goggles, gloves, and foot protection when operating the machine.
- **Daily Equipment Check:** Check the equipment daily to identify and address any potential hazards.
- **Protection Devices:** Ensure all protection devices are correctly in place and functioning before use.
- **Avoid Loose Clothing/Jewelry:** Never wear large or loose clothing, or jewelry such as rings, watches, and chains, which could get caught in moving parts.
- **Moving Parts:** Never touch moving machine parts during operation.
- **Load Limits:** Load the equipment only to the maximum appropriate ratings specified in the manual.
- **Maintenance Safety:** Always disconnect power before servicing. Turn off power when not in use.
- **Lifting:** Do not lift heavy equipment by hand; always use proper lifting systems.
- **Proper Tools:** Always use the appropriate tools for maintenance.
- **Warranty:** Responsibility for injury due to improper installation, assembly, misuse, or failure to follow operating or installation instructions will not be accepted, and misuse of instructions will void the warranty.

### 3. Product Overview & Components

The Yato YT-0673 is a comprehensive 16-piece hand vacuum pump kit designed for automotive diagnostics and service. It includes a hand-operated vacuum pump with a gauge, various adapters, hoses, and a fluid reservoir for tasks such as brake bleeding and vacuum system testing.



**Image 3.1:** The complete Yato YT-0673 16-piece hand vacuum pump kit, showing the pump, gauge, hoses, adapters, and fluid reservoir.

#### Kit Components:

- Hand Vacuum Pump with integrated pressure gauge
- Fluid Reservoir / Bleeder Jar
- Various Hoses (long and short)
- Assortment of Adapters and Connectors
- Two Reservoir Lids (one solid, one with two ports)
- Additional small fittings (e.g., T-connector, straight connectors)

#### 4. Setup

Before using the vacuum pump, ensure all components are clean and free from damage. Select the appropriate hoses and adapters for your specific application.

1. **Inspect Components:** Check all hoses for cracks or leaks, and ensure adapters fit securely.
2. **Connect Hoses:** Attach one end of a hose to the vacuum pump's inlet port.
3. **Select Adapter:** Choose the correct adapter for the component you intend to test or bleed.
4. **Prepare Reservoir (for brake bleeding):** If bleeding brakes, connect a hose from the pump to the lid of the fluid reservoir, and another hose from the reservoir lid to the brake bleeder screw.

## 5. Operation

### 5.1. Vacuum Testing

1. Connect the vacuum pump directly to the component or hose you wish to test using the appropriate adapter.
2. Operate the pump handle repeatedly to create a vacuum. Observe the gauge reading.
3. A steady vacuum reading indicates a sealed system. If the vacuum drops quickly, there is a leak in the component or connection.
4. Consult your vehicle's service manual for specific vacuum specifications for different components.

### 5.2. Brake Bleeding

1. Ensure the master cylinder is full of fresh brake fluid.
2. Connect the vacuum pump to the fluid reservoir lid. Connect the reservoir to the brake bleeder screw on the caliper or wheel cylinder using the appropriate hose and adapter.
3. Loosen the bleeder screw slightly (typically 1/4 to 1/2 turn).
4. Pump the vacuum pump handle to create a vacuum of approximately 10-15 inHg (inches of mercury).
5. Observe the fluid flowing into the reservoir. Air bubbles will appear if air is present in the brake line.
6. Continue pumping until no more air bubbles are visible in the fluid.
7. Tighten the bleeder screw while maintaining vacuum, then release the vacuum pump handle.
8. Repeat the process for each wheel, starting with the wheel furthest from the master cylinder (typically rear passenger, then rear driver, front passenger, front driver).
9. Regularly check and refill the master cylinder to prevent air from entering the system.

## 6. Maintenance

- **Cleaning:** After each use, especially after brake bleeding, clean the fluid reservoir, hoses, and adapters thoroughly with appropriate cleaning agents to remove any brake fluid residue.
- **Inspection:** Regularly inspect hoses for cracks, kinks, or hardening. Check adapters for wear or damage. Replace any damaged components immediately.
- **Storage:** Store the vacuum pump kit in its original case or a clean, dry place, away from direct sunlight and extreme temperatures.
- **Lubrication:** Periodically apply a small amount of silicone grease to the pump's O-rings and moving parts to ensure smooth operation and maintain vacuum integrity.

## 7. Troubleshooting

Problem	Possible Cause	Solution
Pump does not create vacuum.	Loose connections, damaged hose, worn pump seals.	Check all connections for tightness. Inspect hoses for damage. If seals are worn, consider a repair kit or replacement.
Vacuum drops quickly.	Leak in the system (hose, adapter, component being tested).	Isolate sections to find the leak. Tighten connections. Replace faulty hoses or adapters.

Problem	Possible Cause	Solution
Brake fluid not flowing during bleeding.	Bleeder screw not open enough, clogged bleeder screw, insufficient vacuum.	Ensure bleeder screw is open. Clean or replace clogged bleeder screw. Increase vacuum by pumping more. Check master cylinder fluid level.

## 8. Specifications

- **Model:** YT-0673
- **Brand:** Yato
- **Number of Pieces:** 16
- **Pressure Range (Negative):** 0 to 30 PSI (0 to -1 bar)
- **Pressure Range (Positive):** 0 to 60 PSI (0 to 4 bar)
- **Product Dimensions (L x W x H):** 50 x 50 x 28 cm
- **Item Weight:** 1.18 kg
- **Country of Origin:** Germany



**Image 8.1:** The CE mark indicates conformity with health, safety, and environmental protection standards for products sold within the European Economic Area.

## 9. Warranty Information

Specific warranty details for the Yato YT-0673 Hand Vacuum Pump are not provided in the product information. Please refer to the manufacturer's official website or contact customer support for detailed warranty terms and conditions. Keep your proof of purchase for any warranty claims.

## 10. Customer Support

For technical assistance, spare parts, or further inquiries regarding your Yato YT-0673 Hand Vacuum Pump, please contact the manufacturer or authorized distributor.



**Image 10.1:** Contact information for EZ-Tools GmbH, a potential distributor or manufacturer affiliate.

**EZ-Tools GmbH Contact:**

**Address:** Gewerbepark 33, 85250 Altomünster, Deutschland

**Business Hours:** Mo. - Fr.: 8:00 - 17:00 (Monday - Friday: 8:00 AM - 5:00 PM)

**Phone:** +49 (0) 825 49 20 37 04

**Website:** [www.ez-tools.de](http://www.ez-tools.de)

**Email:** [info@ez-tools.de](mailto:info@ez-tools.de)