

Pneumatic Transmission Fluid Extractor/Dispenser

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liability disclaimers, and liability limitations set forth above, the invalid or unenforceable provision will be deemed superseded by a valid and enforceable provision that most closely matches the intent of the original provision and the remainder of the agreement shall remain in full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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@OrionMotorTech



Safety Information

Danger

- Read these instructions carefully before use. Store this manual for future reference. **ONLY** use this kit for its intended purpose of extracting transmission fluid. **ONLY** use this kit in accordance with these instructions, the particular vehicle manufacturer's instructions and recommendations, and all applicable local and national laws and regulations. Failure to do so may result in fire, explosions, serious property damage, and severe personal injury, potentially including death. Provide these instructions with the kit if it is ever given or sold to a third party.
 - **ONLY** allow trained personnel to use this kit. Vehicular maintenance is always potentially dangerous and must always be undertaken carefully and responsibly. **DO NOT** allow children or anyone with impaired mental or physical capabilities to use this kit. **DO NOT** use it while under the influence of alcohol, drugs, or any medication that negatively affects your judgment or reflexes.
 - **NEVER** use this kit for or around highly flammable, corrosive, or explosive fluids and gases such as gasoline, strong acids, and brake fluids. **NEVER** smoke or allow open flames around flammable or explosive fluids and gases. **NEVER** use it to remove fluids hotter than 140 °F (60 °C).
 - Keep your work site clean and well-lit. Cluttered and dark work areas increase the risk of accidents.
 - Keep your work site adequately ventilated. **NEVER** run your vehicle's engine in a tightly enclosed space. **IMMEDIATELY** stop the engine and improve the area's ventilation if you begin to develop eye, nose, or throat irritation during work.
 - **DO NOT** open the reservoir lid during use. Otherwise, it will introduce air into the system, leading to issues such as reduced efficiency, malfunction, or even safety hazards like explosions.
- DO NOT** set the pressure over 86 psi (6 bar), as this can cause the reservoir to explode.

Warning

- **ONLY** use this kit with personal protective equipment (PPE) appropriate for your work. Always wear ANSI-approved eye and hand protection while using this kit. Nonslip footwear is highly recommended. Depending on your work and other equipment, ear, head, and body protection may also be necessary. Keep unprotected bystanders at a safe distance.
- Dress appropriately for your work. **DO NOT** wear loose clothing or jewelry. Keep hair, clothing, gloves, hoses, and tools away from any moving parts during use.
- **ALWAYS** know and understand the specific safety warnings and instructions for your vehicle before using this kit. Use the correct fluids, pressures, adapters, etc. for your vehicle. Make sure it is securely parked or held in place before beginning any work. **NEVER** touch any heated surface or fluid with exposed skin. **NEVER** open a cap, such as that of a radiator or an expansion tank, when it might release hot or pressurized fluid or vapor.
- **DO NOT** overreach. Keep proper footing and balance at all times.
- **DO NOT** use excessive pressure with this kit, and **DO NOT** force it or its attachments.

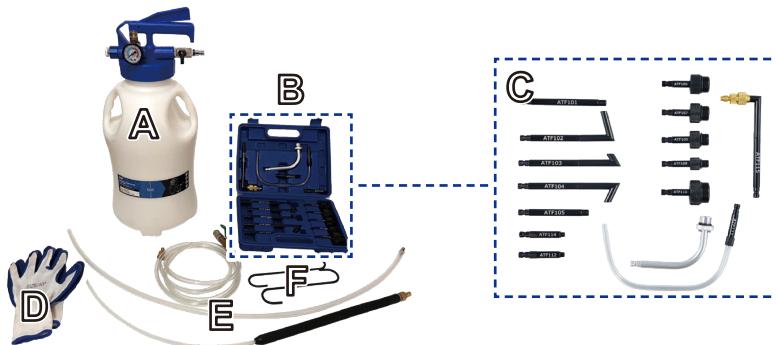
Caution

- For optimal performance, keep the kit clean and dry. Remove any fluid, oil, or grease before and after work, particularly from the handle and fittings. Maintain the product's labeling. Contact customer service if replacements are needed.
- Maintain this kit properly, keeping it dry and clean after use. Check for misalignment or binding of parts, wear or breakage, or any other condition that may affect this kit's safe operation. If any damage or malfunction is detected, have a trained technician repair or replace all problematic parts before further use. In a large workshop, mark such tools as "**DO NOT USE**" until they have been repaired. Only replace parts with identical components.

Specifications

Model	C003		C004	
Material	Nylon, HDPE Plastic, Carbon Steel		Nylon, HDPE Plastic, Carbon Steel	
Res. Dimensions	17.9 × 8.9 × 6.7 in.	45.5 × 22.5 × 17 cm	20.5 × 8.3 × 7.9 in.	52 × 21 × 20 cm
Capacity	6.3 qt. (1.6 gal.)	6 L	10.6 qt. (2.6 gal.)	10 L
Air Port Dia.	1/4 in.	6.35 mm	1/4 in.	6.35 mm
Extract. Pressure	40–170 psi	2.8–12 bar	40–170 psi	2.8–12 bar
Max. Dispense Pressure	43 psi	3 bar	43 psi	3 bar
	28.7 in.	73 cm	28.7 in.	73 cm
Hose Lengths	39.4 in.	100 cm	39.4 in.	100 cm
	59 in.	150 cm	59 in.	150 cm
Case Dimensions	10.8 × 8.5 × 2.4 in.	27.5 × 21.5 × 6 cm	10.8 × 8.5 × 2.4 in.	27.5 × 21.5 × 6 cm
Op. Temp. Range	41–113 °F	5–45 °C	41–113 °F	5–45 °C
Net Weight	7.2 lb.	3.3 kg	8.8 lb.	4 kg

Package List



No.	Name	Qty.
A	Main Reservoir	1
B	Blow-Molded Case	1
C	Fill Port Adapters	15
D	Gloves	1 Pair
E	Hoses	3
F	Hooks	2

Product Diagram



Adapter	Figure	Specification	Vehicle Brand
ATF101		1/8" -27 NPT	Ford
ATF102		Angled Uni.	BMW, Honda, Nissan
ATF103		Angled Uni.	Audi, Skoda, Volkswagen
ATF104		Angled Uni.	Audi, Porsche, Volkswagen
ATF105		M10 x 1	Audi, Mini, Volkswagen
ATF106		M24 x 1.5	Audi, Volkswagen DSG
ATF107		M22 x 1.5	Audi, Volkswagen CVT
ATF108		M18 x 1.5	Skoda, Volkswagen

Adapter	Figure	Specification	Vehicle Brand
ATF109		M12 x 1.5	Mercedes-Benz, Toyota
ATF110		M30 x 1.5	Audi, Skoda, Volkswagen
ATF111		300 mm Flex.	Honda, Hyundai, Kia
ATF112		5/16" -24 UNF	Volvo
ATF113		M18 x 1.5	Lexus, Toyota
ATF114		M8 x 1	Infiniti, Nissan
ATF115		Bent Uni.	Volkswagen

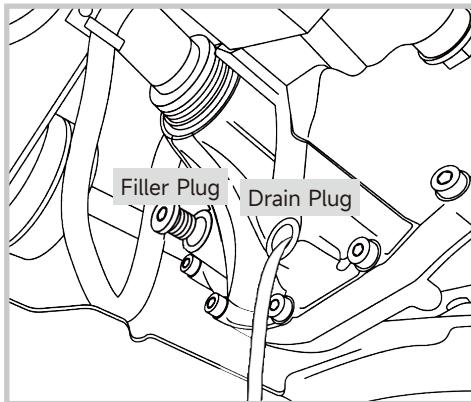
Operation

Warning

- **ALWAYS** follow your vehicle manufacturer's service manual for the recommended type and amount of transmission fluid needed for the vehicle.
- Put on your PPE, always including ANSI-approved safety glasses and work gloves.
- **NEVER** use this kit to handle fluids hotter than 140 °F (60 °C) even with proper PPE.
- Raise your vehicle if needed, using appropriate safety stands to prevent potentially fatal accidents.
- Check that the transmission fluid to be added matches your vehicle's specific requirements.
- Be careful to **ONLY** add the appropriate amount of fluid for your vehicle.

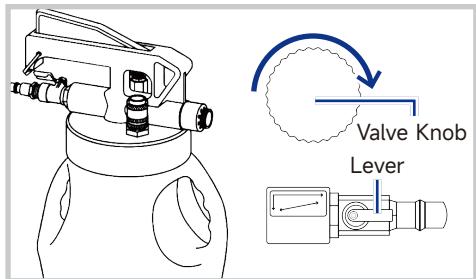
Preparation

1. Ensure the vehicle is turned off. For manual transmissions, turn the vehicle to Neutral. For automatic transmissions, turn it to Park. Activate the parking brake.
2. Remove the filler plug and drain plug to drain the old transmission fluid from your vehicle.
3. After thoroughly draining the fluid, clean the two plugs and install them in their original positions.

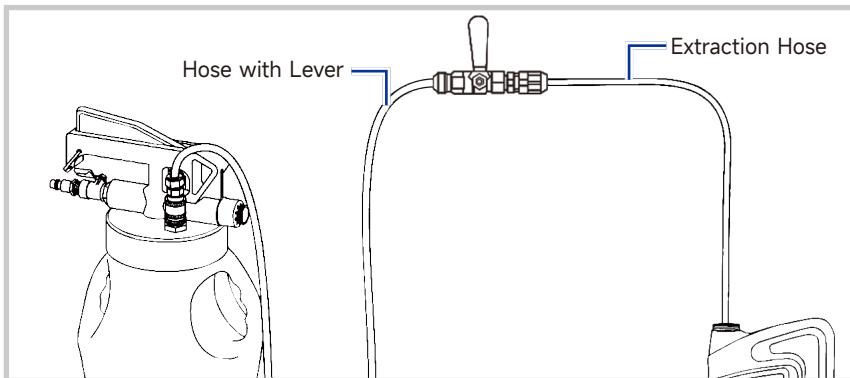


Extraction Mode

1. Turn the valve knob on the reservoir lid **COMPLETELY** clockwise to **EXTRACT**. Turn the lever on the air inlet to **EXTRACT**, completely flush with the inlet.



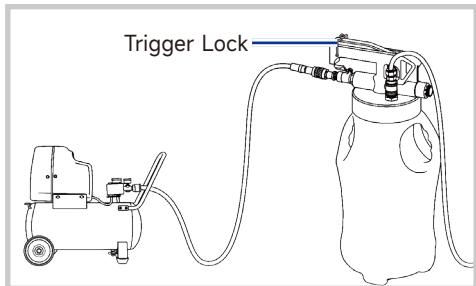
2. Connect the hose with the lever and the extraction hose on the reservoir lid. Insert the end of the extraction hose into the container of recommended transmission fluid.



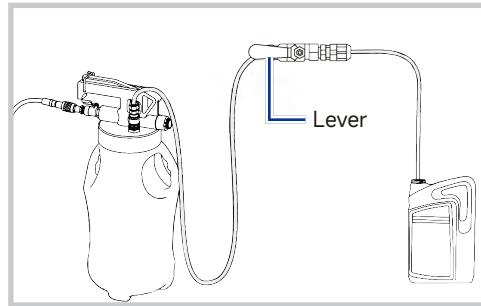
3. Connect the reservoir with the air compressor and set it to 40–86 psi (2.8–6 bar). Lock the trigger lock.

Danger

- Refer to your vehicle manufacturer's service manual for the recommended pressure.
- **DO NOT** set the pressure over 86 psi (6 bar), to prevent the reservoir from exploding.
- **DO NOT** open the reservoir lid during use. Otherwise, it will introduce air into the system, leading to issues such as reduced efficiency, malfunction, or even safety hazards like explosions.



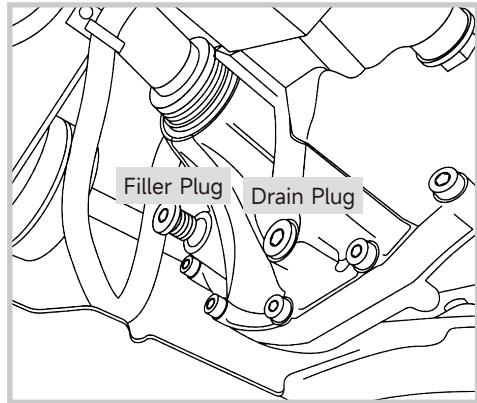
4. Turn on the hose lever to start filling the reservoir tank.



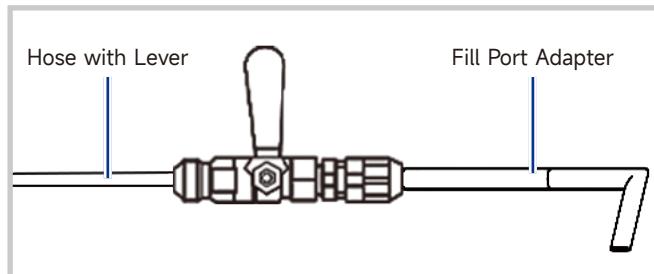
5. When finished, turn off the hose lever, disconnect the extraction hose, and unlock the trigger lock.

Dispense Mode

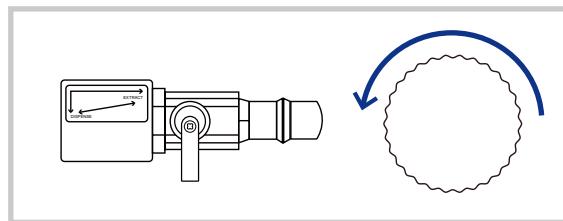
1. Remove the filler plug on the vehicle.



2. Connect a suitable fill port adapter to the hose with a lever for your vehicle. See the Fitment section for adapter selection.

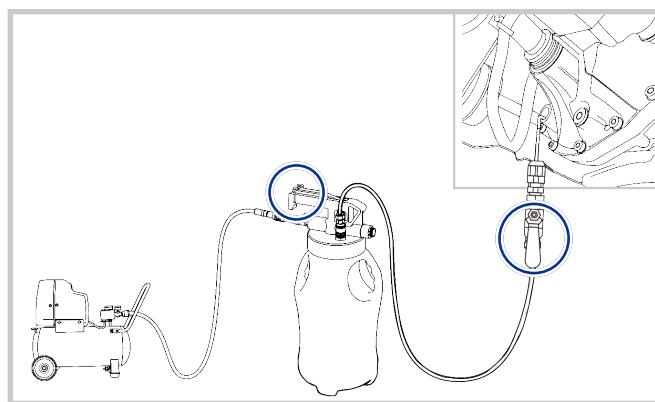


3. Turn the valve knob **COMPLETELY** counterclockwise to **DISPENSE**. Turn the lever on the air inlet to **DISPENSE**, by rotating completely perpendicular to the inlet.

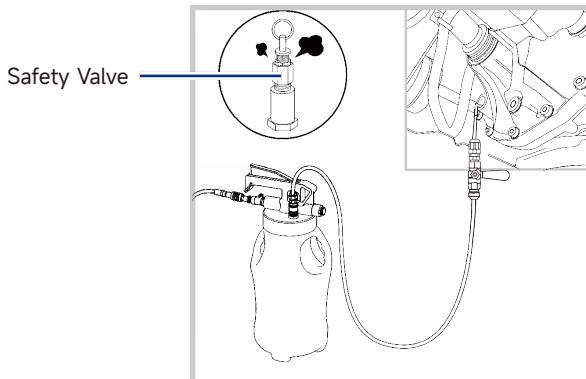


4. Connect the adapter to the filler hole. Lock the trigger lock and turn on the hose lever to dispense new fluid.

Note: Ensure that the adapter is tightly connected to the filler hole to prevent leakage during the dispensing process.



5. When finished, turn off the hose lever and unlock the trigger lock. Pull the safety valve upwards **SLOWLY** to depressurize the reservoir.



6. Tighten the filler plug back to the vehicle. Disconnect the filler port adapter, hoses, and the air compressor from the reservoir.

Danger

ALWAYS carefully test your vehicle after adding new fluid. Address any issues before resuming full use of your vehicle.

Between Uses

Before extracting new fluid into the reservoir, **ALWAYS** ensure the reservoir is completely drained.

If you are extracting the same fluid, no cleaning is necessary, and you can continue using the kit. Otherwise, clean the kit before extracting new fluid. For cleaning instructions, see **Maintenance**.

Maintenance

Cleaning

1. Drain all fluid from the reservoir.
2. Fill the reservoir with rubbing alcohol to rinse the interior, then drain it. The alcohol helps dissolve any remaining fluid in the reservoir and hoses.
3. Repeat the process using clean water.
4. Use a cloth dampened with rubbing alcohol to clean the exterior surfaces of the reservoir and hoses.
5. Remove the reservoir lid for drying the interior, but do so with caution—it's tightly fitted and may cause injury if forced.
6. After drying, **SECURELY** reattach the lid to avoid potential hazards.
7. Ensure the entire kit, including the hoses, is completely dry before further use.

Inspection

Check for loose connections, wear, and damage before and after each use. Tighten, repair, or replace any problematic components before further use. Only use identical parts as replacements.

Storage

If this kit is not used for an extended period, store it in a cool, dry location, away from direct sunlight and out of the reach of children.

Troubleshooting

Problems	Solutions
Slow Extraction or Dispensing Speed	Check for blockages or obstructions in the tubes; clean or replace any blocked components.
	Verify the air pressure source to ensure it is within the specified range for the equipment.
	Inspect the tubes for twists or bends that may impede flow speed.
Leakage Issues	Check the tightness of tube connections to ensure there are no loose fittings.
	Inspect the tubes for damage or wear and promptly replace any damaged components.
	Verify the integrity of seals to ensure proper sealing.



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