

Orion Motor Tech FBA-BBTD00200

Orion Motor Tech 7.5L Transmission Fluid Pump User Manual

Model: FBA-BBTD00200 | Brand: Orion Motor Tech

INTRODUCTION

This manual provides detailed instructions for the safe and efficient use of your Orion Motor Tech 7.5L Transmission Fluid Pump. Please read this manual thoroughly before operation and retain it for future reference. This manual covers the assembly, operation, maintenance, and troubleshooting of the transmission fluid pump.



Figure 1: Overview of the Orion Motor Tech 7.5L Transmission Fluid Pump and adapter kit.

SAFETY INFORMATION

Always observe basic safety precautions when using this product to reduce the risk of personal injury and damage to equipment.

- Wear appropriate personal protective equipment, including safety glasses and gloves, when handling automotive fluids.
- Ensure the work area is well-ventilated and free from ignition sources.
- Do not overfill the pump reservoir.
- Use only fluids compatible with the pump's materials.
- Keep children and bystanders away from the work area.
- Dispose of used fluids and cleaning materials according to local regulations.

WHAT'S IN THE BOX

Verify that all components are present before beginning assembly or operation:

- 1 x Pump

- 15 x Adapters
- 1 x Hose
- 1 x Open-End Wrench & Phillips-Head Screwdriver
- 1 x Pair of Gloves

SPECIFICATIONS

Feature	Detail
Manufacturer	Orion Motor Tech
Model	FBA-BBTD00200 (Transmission Fluid Pump)
Item Weight	9.35 pounds
Product Dimensions	19.09 x 10.43 x 10.43 inches
Special Features	Durability, Easy Operation, Highly Efficient, Wide Compatibility
Lift Type	Manual
Tank Capacity	7.5 Liters (2 Gallons)
Max. Dispense Volume	2.7 fl. oz./Cycle
Working Temperature Range	41 to 113°F
Construction Materials	Polypropylene tank, Polyurethane tubing, Anodized aluminum alloy adapters

2 GAL. MANUAL TRANSMISSION FLUID PUMP

Refill Your Transmission System Easily & Cleanly on Your Own



7.5 L
Tank Capacity



2.7 fl. oz./Cycle
Max. Dispense Volume



41 to 113°F
Working Temp. Range



Figure 2: Key operational specifications and features of the fluid pump.

BUILT TO LAST



Figure 3: Durable construction materials used in the fluid pump.

SETUP

Follow these steps to prepare the transmission fluid pump for use:

1. **Install the Handle:** Securely attach the pump handle to the top of the reservoir.
2. **Connect the Hose:** Attach the transparent hose to the pump outlet. Ensure a tight connection to prevent leaks.
3. **Fill the Tank:** Open the oil inlet cap and carefully pour the fresh transmission fluid into the 7.5L reservoir. Use the built-in scale to monitor the fluid level. Close the cap securely after filling.



Figure 4: User-friendly details of the pump, highlighting the oil inlet and built-in scale.

OPERATING INSTRUCTIONS

Perform the following steps for efficient transmission fluid refilling:

1. **Select Adapter:** Identify the correct ATF adapter from the provided 15 OE-style adapters that matches your vehicle's transmission fill port. Refer to the adapter compatibility chart below.
2. **Attach Adapter:** Connect the selected adapter to the end of the hose using the quick coupler. Ensure it is firmly attached.
3. **Connect to Vehicle:** Connect the adapter to the transmission's access point.

4. **Open Valve:** Open the handy flow control valve on the hose to allow fluid flow.
5. **Pump Fluid:** Operate the pump handle to dispense fluid into the transmission. The transparent hose allows for observation of fluid transfer.
6. **Monitor Level:** Continuously monitor the transmission fluid level according to your vehicle manufacturer's specifications.
7. **Close Valve & Disconnect:** Once the desired fluid level is reached, close the flow control valve and disconnect the adapter from the vehicle.



Figure 5: Step-by-step guide for operating the transmission fluid pump.

ATF Adapter Compatibility Chart

15 OE-STYLE ATF ADAPTERS

Use on a Wide Variety of Vehicles with the
Push-on Quick Couplers



ATF101: Ford

ATF102: BMW, Honda, Nissan

ATF103: Audi, Skoda, Volkswagen

ATF104: Audi, Porsche, Volkswagen

ATF105: Audi, Mini, Volkswagen

ATF106: Audi, Volkswagen DSG

ATF107: Audi, Volkswagen CVT

ATF108: Skoda, Volkswagen

ATF109: Mercedes-Benz, Toyota

ATF110: Audi, Skoda, Volkswagen

ATF111: Honda, Hyundai, Kia

ATF112: Volvo

ATF113: Lexus, Toyota

ATF114: Infiniti, Nissan

ATF115: Volkswagen

Figure 6: Detailed compatibility list for the 15 OE-style ATF adapters.

ATF101: Ford

ATF102: BMW, Honda, Nissan

ATF103: Audi, Skoda, Volkswagen

ATF104: Audi, Porsche, Volkswagen

ATF105: Audi, Mini, Volkswagen

ATF106: Audi, Volkswagen DSG

ATF107: Audi, Volkswagen CVT

ATF108: Skoda, Volkswagen

ATF109: Mercedes-Benz, Toyota

- ATF110:** Audi, Skoda, Volkswagen
- ATF111:** Honda, Hyundai, Kia
- ATF112:** Volvo
- ATF113:** Lexus, Toyota
- ATF114:** Infiniti, Nissan
- ATF115:** Volkswagen

MAINTENANCE

Proper maintenance ensures the longevity and reliable performance of your fluid pump:

- **Cleaning:** After each use, flush the pump and hose with a suitable cleaning agent or fresh fluid to remove any residual contaminants.
- **Storage:** Store the pump and adapters in the provided tool case in a clean, dry place away from direct sunlight and extreme temperatures.
- **Inspection:** Regularly inspect the hose, adapters, and pump body for any signs of wear, cracks, or damage. Replace worn or damaged parts immediately.
- **Seals:** Check O-rings and seals for integrity. Lubricate with a compatible lubricant if necessary.

TROUBLESHOOTING

If you encounter issues with your fluid pump, refer to the following common problems and solutions:

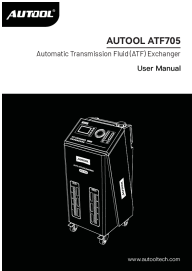
Problem	Possible Cause	Solution
Fluid not dispensing	Flow control valve closed Reservoir empty Hose or adapter clogged Pump mechanism issue	Open the flow control valve Refill the reservoir Inspect and clear any blockages Contact customer support
Fluid leakage	Loose connections Damaged hose or seals Overfilling	Tighten all connections Inspect and replace damaged components Ensure fluid level is below max fill line
Difficulty attaching adapter	Incorrect adapter selected Debris in connection Damaged quick coupler	Verify adapter compatibility with vehicle Clean connection points Inspect and replace quick coupler if damaged

WARRANTY AND SUPPORT

For warranty information or technical assistance, please contact Orion Motor Tech customer support. Keep your purchase receipt as proof of purchase.

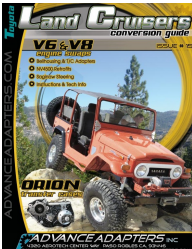
Orion Motor Tech Customer Support: Refer to the contact information provided with your product packaging or visit the official Orion Motor Tech website for support resources.

Related Documents - FBA-BBTD00200



AUTOOL ATF705 Automatic Transmission Fluid Exchanger User Manual

Comprehensive user manual for the AUTOOL ATF705 Automatic Transmission Fluid (ATF) Exchanger, detailing its features, operation, maintenance, and safety guidelines for professional automotive use.



Toyota Land Cruiser Conversion Guide: V6 & V8 Engine Swaps

Comprehensive guide for Toyota Land Cruiser owners looking to perform V6 and V8 engine swaps, covering engine selection, transmission compatibility, adapters, and installation tips.



[Kamoer KLVP3 Micro Diaphragm Pump - Product Manual & Specifications](#)

Comprehensive product manual for the Kamoer KLVP3 Micro Diaphragm Pump. Details include technical specifications, performance characteristics, typical applications, assembly, dimensions, and motor control for fluid transfer.



Orion Motor Tech Brake Bleeder Set User Manual

Comprehensive user manual for the Orion Motor Tech Brake Bleeder Set, covering safety precautions, detailed specifications, parts identification, step-by-step operation instructions, and essential maintenance tips for automotive brake bleeding.



Fill-Rite SD1202H Fuel Transfer Pump: Installation & Operation Instructions

Comprehensive installation and operating instructions for the Fill-Rite SD1202H 12 Volt DC fuel transfer pump, including parts, wiring diagrams, and safety precautions. Covers models FR1200, FR2400, FR4200, FR4400, FR600, SD1200, SD600.



Orion Motor Tech Brake Bleeder Set User Manual - Automotive Maintenance Guide

Comprehensive user manual for the Orion Motor Tech Brake Bleeder Set (Model BBT-D005-00). Includes safety information, specifications, parts list, operation instructions, and maintenance guidelines for automotive brake bleeding.