

FLUID EXTRACTOR/DISPENSER HAND PUMP USER MANUAL



Read Carefully Before Use
Keep for Future Reference

Safety Information

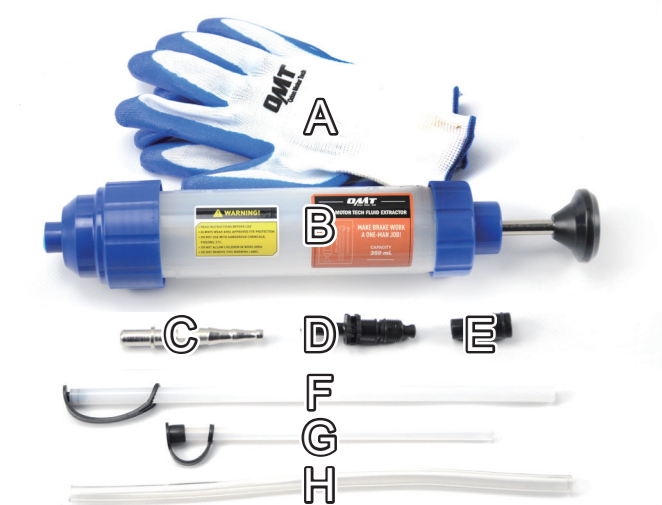
DANGER!

- Read these instructions carefully before use and keep them for future reference. **ONLY** use this tool for its intended purpose extracting and dispensing engine oil, transmission fluid, and other lubricating oils and low viscosity fluids such as coolant and water. Only use this tool in accordance with these instructions, the manufacturer's instructions and recommendations for your particular vehicle, 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 to anyone who will use this tool and provide them with this tool if it is ever given or sold to a third party.
- **ONLY** allow use by trained persons. Vehicular maintenance is always potentially dangerous and must always be undertaken carefully and responsibly. Do not allow children or people with compromised physical or mental capabilities to use this tool. Do not use it while you are under the influence of alcohol, drugs, or any medication that negatively affects your judgment or reflexes.
- **NEVER** use this tool for or around highly flammable or explosive fluids or gases such as diesel, gasoline, and strong acids. Never smoke or allow open flames around flammable or explosive fluids or gases. Never use it on fluids hotter than 140°F (60°F).
- Keep your work site clean and well lit. Cluttered and dark areas invite accidents.
- Keep your work site adequately ventilated. If the fluid needs to be heated, **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.
- **ONLY** use this tool with personal protective equipment (PPE) appropriate for your work. Always wear ANSI-approved eye and hand protection while using this tool. Nonslip footwear is highly recommended. Ear, head, and body protection may also be necessary depending on your work and other equipment. Keep unprotected bystanders at a safe distance.
- Dress properly for your work. Do not wear loose clothing or jewelry and keep hair, clothing, gloves, etc. away from any moving parts during use.
- **ALWAYS** know and understand the specific safety warnings and instructions for your vehicle before using this tool. Use the correct fluids for your vehicle, making connections with correct adapters if necessary. Make sure your vehicle is securely parked or held in place before beginning any work. Never touch any heated surface or fluid with bare skin. Never open any cap—like those for a radiator or expansion tank—when it might release hot and/or pressurized fluid or vapor.
- **DO NOT** overreach. Keep proper footing and balance at all times.
- Maintain this tool properly, keeping it clean and dry. Remove any fluid, oil, or grease before and after work, particularly from the adapter, hoses, and plunger. Check for misalignment or binding of parts, wear or breakage, or any other condition that may affect the tool's safe operation. If any damage or malfunction is detected, repair or replace all problematic parts before further use. Do not replace any parts with non-identical ones. Contact customer service if replacements are needed.

Specifications

Pump	Volume	$\frac{3}{8}$ US qt.	350 mL
Flexible Hose	Length	12.2 in.	31 cm
	Diameter (ID/OD)	0.31/0.42 in.	7.8/10.5 mm
Rigid Pipe	Length	12 in.	30.5 cm
	Diameter (ID/OD)	0.3/0.4 in.	7.7/10 mm
Extension Pipe	Length	9 in.	23 cm
	Diameter (ID/OD)	0.27/0.31 in.	6.8/7.8 mm
Barbed Adapter	Inner Diameters	0.12/0.22 in.	3/5.6 mm
	Outer Diameters	0.28/0.34/0.4/0.42 in.	7/8.6/10/10.5 mm
Optimal Temperature Range		41–113°F	5–45°C
Net Weight		1.1 lb.	500 g

Package List



Item	Name	Qty.
A	Work Gloves	1
B	Hand Pump	1
C	Barbed Adapter	1
D	Pump Connector	1
E	Pipe Connector	1
F	Rigid Pipe	1
G	Extension Pipe	1
H	Flexible Hose	1

Assembly

1. Screw the pump connector (C) into place at the end of the hand pump (B). Tighten completely and then loosen partially, testing for the moment the plunger's stopper moves easily again.
2. Attach either the flexible hose (F) or the rigid pipe (G) to the exposed end of the pump connector, sliding it on completely. Either can be used directly with open reservoirs.
3. To connect to fitted ports, use the flexible hose with the barbed adapter (D) fitted in the appropriate direction for your purpose.



4. To reach deeper reservoirs, use the rigid pipe and the extension pipe (H) together, joined with the pipe connector (E).



Operation

Extracting Fluid

1. Familiarize yourself with the fluid to be extracted and the manufacturer's recommendations for removing such fluid from your vehicle. Some fluids should be extracted from fully cooled engines and others require the engine to have run recently.

! **NEVER** run your vehicle's engine in a confined space with inadequate ventilation.

! **NEVER** use this tool set to handle fluids hotter than 140°F (60°C). Wait for the fluid to cool to at least this temperature before beginning any work. Be careful of heated surfaces.

2. Park your vehicle on firm level ground. Check that the vehicle is shifted to park or neutral, its parking brake is activated, and its engine is turned off. If your application requires raising the vehicle, use appropriate safety stands to prevent potentially fatal accidents.
3. Put on your PPE, always including the work gloves (A) and ANSI-approved eye protection.
4. Open any cover or remove any parts that cover the fluid's access point on your vehicle.
! Be careful when handling any pressurized or corrosive fluids.
5. Ensure that the hand pump is completely clean and free of debris and residues.
6. Prepare the correct tubing, connectors, and adapters for your application.
7. Place the tubing into the reservoir or connect the adapter to the access point for the fluid you want to drain.
8. Pull the plunger back to create suction and begin drawing the fluid into the barrel.
9. When the reservoir is empty or the barrel is full, carry the pump to a legally approved container and press the plunger down to discharge the extracted fluid. The two pipes have secure caps to make transport easier if no such containers are immediately available and the fluid needs to be taken directly to an approved disposal or recycling facility.
10. When finished, disconnect and clean all parts before returning them to storage.



Dispensing Fluid

The procedure for adding clean new fluid to your vehicle is mostly the same as above, except that the fluid is extracted from its initial container into the pump and then dispensed into your vehicle. Important differences include:

- Check that the fluid being added exactly matches your vehicle's specific requirements.
- Always follow the manufacturer's recommendations while adding fluid to your vehicle. Some may require that a base amount of fluid be added to a cold engine but also require the engine to be running for several minutes before topping off the new fluid.
- Clean the exterior of any access point and the area around it before opening it to prevent accumulated grime from falling into or mixing with the new fluid being added.
- Be careful that you only add the appropriate amount of fluid for your vehicle.



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

Maintenance

- Always dispose of used engine fluids in compliance with local and national laws. If such fluids require storage before transport to an approved recycling or disposal facility, be sure such storage is safe, clearly labeled, and inaccessible to children or pets.
- After use, clean the tool and its accessories inside and out with warm water and a mild detergent. Do not use abrasive cleaners or caustic chemicals. Draw the cleaning fluid through the tubing and pump and then discharge it to an appropriate container, repeating until the fluid becomes clean. Disassemble the tool and dry or allow time to air dry completely before further use.
- 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.
- If the tool will not be used for an extended period of time, store in a cool dry location away from direct sunlight and inaccessible to children.

Contact Us

Thank you for choosing our products! If you have any questions or comments, contact us at help@cs-supportpro.com and we'll resolve your issue ASAP!

For a .pdf copy of the latest version of these instructions, use the appropriate app on your smartphone to scan the QR code to the right.

