



ATD-5176

1-1/2 Gallon Manual Fluid Evacuator

Owner's Manual



Features:

- Use to evacuate automotive fluids: Lubricant, engine oil (conventional and synthetic), gear oil, transmission fluid, differential fluid, power steering fluid and water.
- Do **NOT** use with: Gasoline, DEF, heavy acids, mineral based solvents or acetone
- Automatic shut off valve for overfill protection
- Hand operated pump allows portable use
- Includes 6 ft. suction hose, gear oil tube and nylon dipstick tube

Specifications:

- 6 ft. 3/8" ID Suction Hose (1500mm)
- 28-1/4" Nylon Oil Suction Tube (720mm)
- 15-3/4" 3/8" ID Gear Oil Tube (400mm)



WARNING: This product contains chemicals, including lead, known to the State of California to cause cancer, birth defects or other reproductive harm. **Wash hands after handling.**



WARNING: The instructions and warnings contained in this manual should be read and understood before using or operating this tool. Do not allow anyone to use or operate this tool until they have read this manual and have developed a thorough understanding of how this tool works. Failure to observe any of the following instructions could result in severe personal injury to tool user and bystanders, or cause damage to the tool and property. Keep this manual for future reference.



NOTE: The warnings and cautions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.



WARNING: Use safety equipment. User and bystanders should use safety goggles or safety glasses with side shields which comply with current national standards. This applies to all persons in the work area. Also use non-skid safety shoes, hardhat, gloves, dust collection systems, and hearing protection when appropriate for your task.



WARNING: Always keep your work area clean, uncluttered, and well lit. Cluttered or dark areas invite accidents and injuries. DO NOT work on floor surfaces that are slippery.



WARNING: Do not operate this tool if you are tired or under the influence of alcohol, drugs, or medications that could affect your ability to use the tool properly.



WARNING: Dress properly. Do not wear loose clothing or jewelry as they can be caught in moving parts. Wear restrictive hair covering to contain long hair.



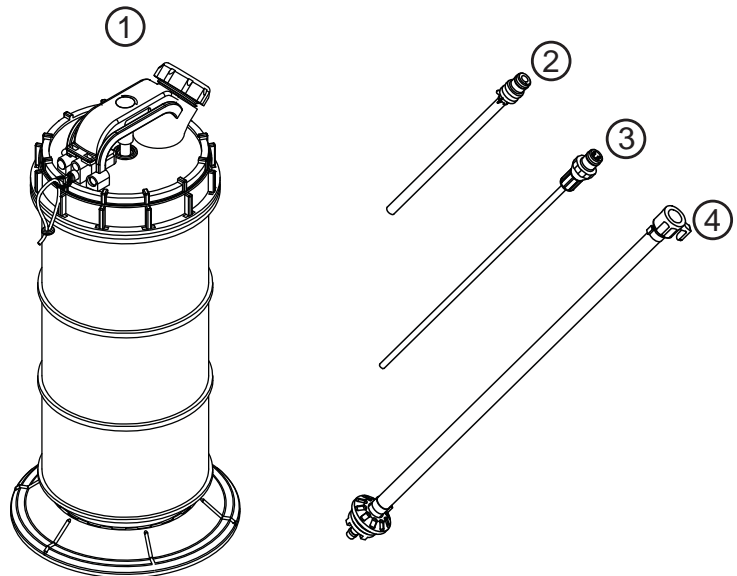
WARNING: Do not reach over or across running engines. Keep proper footing and balance at all times.



WARNING: Do not carry the ATD-5176 Fluid Evacuator Unit by the hose or adapter tubes. Protect the hose and adapter tubes from sharp objects and heat.

Contents:

1. Tank and Pump Assembly
2. 15-3/4" 3/8" ID Gear Oil Tube (400mm)
3. 28-1/4" Nylon Oil Suction Tube (720mm)
4. 6 ft. 3/8" ID Suction Hose (1500mm)



ASSEMBLY INSTRUCTIONS

The ATD-5176 requires some simple assembly before use.

1. Ensure that the collar nut (PRT5176-05) is threaded onto the unit and tightened firmly BY HAND as shown in figure 1 below. DO NOT TIGHTEN WITH TOOLS.
2. Push hose assembly (PRT5176-13) into collar nut (PRT5176-05) until the flat surfaces mate tightly and the o-ring has made a good seal inside the neck of the unit as shown in figure 2 below. It should be a snug fit as shown in figure 3 below.
3. To disassemble after use, DO NOT PULL ON HOSE. Simply twist the collar nut (PRT5176-05) counter-clockwise until the hose assembly is released from the evacuator neck as shown in figure 4 below. Be sure to tighten nut when reassembling.



Figure 1



Figure 2



Figure 3



Figure 4

The ATD-5176 is designed for the extraction of all types of engine, transmission and lubricating oils from cars, motorcycles, marine engines and industrial machinery. Suitable also for low viscosity fluid such as water.

DO NOT USE WITH GASOLINE, DEF, HEAVY ACIDS, MINERAL BASED SOLVENTS OR ACETONE.



NOTE: Due to variances in capacity sizes from vehicle to vehicle, it may be necessary to empty the fluid reservoir before finishing the extracting process. The ATD-5176 Evacuator Unit holds 1-1/2 gallons.

Extracting engine oil or transmission fluid through the dipstick tube:

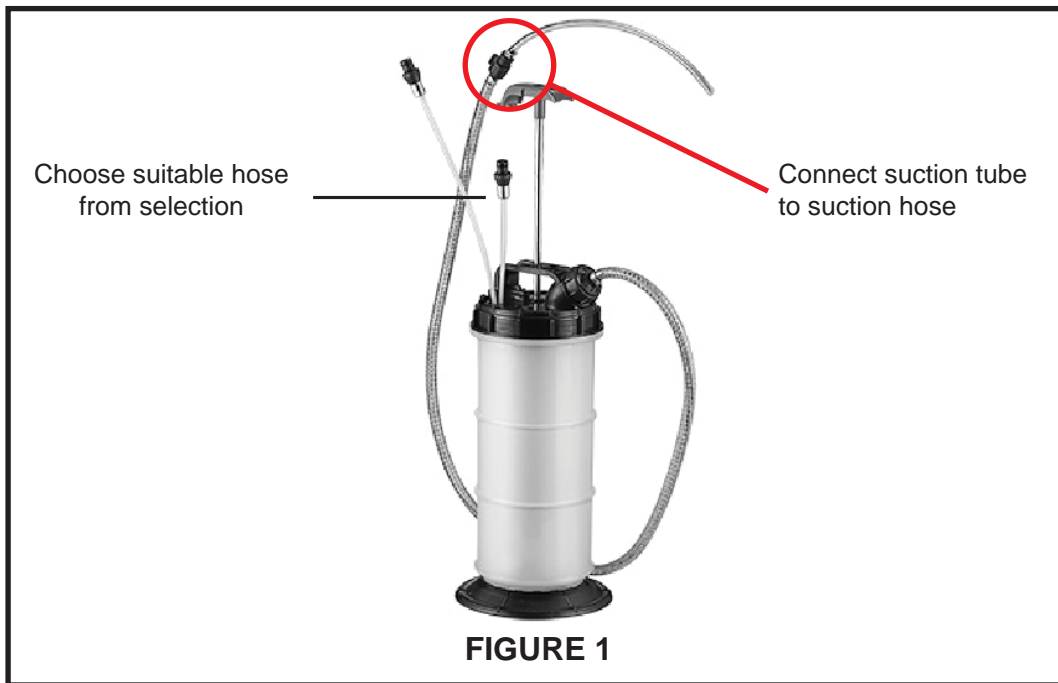
1. Park vehicle on level ground. Ensure the transmission of the vehicle is in "park" and apply the parking brake.
2. With the exhaust properly vented, start the engine. Allow the engine to idle until it has reached normal operating temperature. Turn the engine off when it has reached normal operating temperature. **Caution:** Do not attempt to extract fluids at temperatures in excess of 175°F (80°C).
3. Choose suitable suction tube and insert it through dip stick tube until reaching the bottom of oil pan or transmission pan.
Note: Do not bend the suction tube while inserting it.
4. Connect suction tube to the suction hose as shown in figure 1.
5. Raise the pump handle on top of the cover until it reaches its highest limit. Start pumping the handle and the unit will begin to extract oil from the engine crankcase or transmission fluid from the transmission pan. **Note:** The vacuum will drop as the fluid level reaches the top.
6. After finishing, remove suction tube from the vehicle. Supply new oil or transmission fluid to the vehicle. Run the engine to circulate the new oil or transmission fluid and check for proper levels in accordance to the vehicles service manual..

Extracting coolant through the radiator or coolant overflow tank:

1. Park vehicle on level ground and turn engine off.
2. **Allow the engine to cool completely** before opening the cooling system. Hot coolant and high pressures associated with cooling systems are very dangerous and will burn you.
3. Choose suitable suction tube and insert it through the radiator or expansion tank until it reaches the bottom. **Note:** Do not bend the suction tube while inserting it.
4. Connect suction tube to the suction hose as shown in figure 1.
5. Raise the pump handle on top of the cover until it reaches its highest limit. Start pumping the handle and the unit will begin to extract coolant from the cooling system. **Note:** The vacuum will drop as the fluid level reaches the top.
6. After finishing, remove suction tube from the vehicle. Supply new coolant to the vehicle. Run the engine to circulate the new coolant and check the coolant for proper level, in accordance to the vehicles service manual.

Extracting oil from a differential:

1. Operate the vehicle to warm the differential to a normal operating temperature. **Caution:** Do not attempt to extract fluids at temperatures in excess of 175°F (80°C).
2. Park vehicle on level ground and turn the engine off. If required, properly lift and support the vehicle to allow access to the differential fill plug located on the differential cover or housing.
3. Choose suitable suction tube and insert it through the fill hole until it reaches the bottom of the differential housing. **Note:** Do not bend the suction tube while inserting it.
4. Connect suction tube to the suction hose as shown in figure 1.
5. Raise the pump handle on top of the cover until it reaches its highest limit. Start pumping the handle and the unit will begin to extract oil from the differential. **Note:** The vacuum will drop as the fluid level reaches the top.
6. After finishing, remove suction tube from the vehicle. Supply new oil to the vehicle. Run the engine to circulate the new oil and check the oil for proper level in accordance to the vehicles service manual.

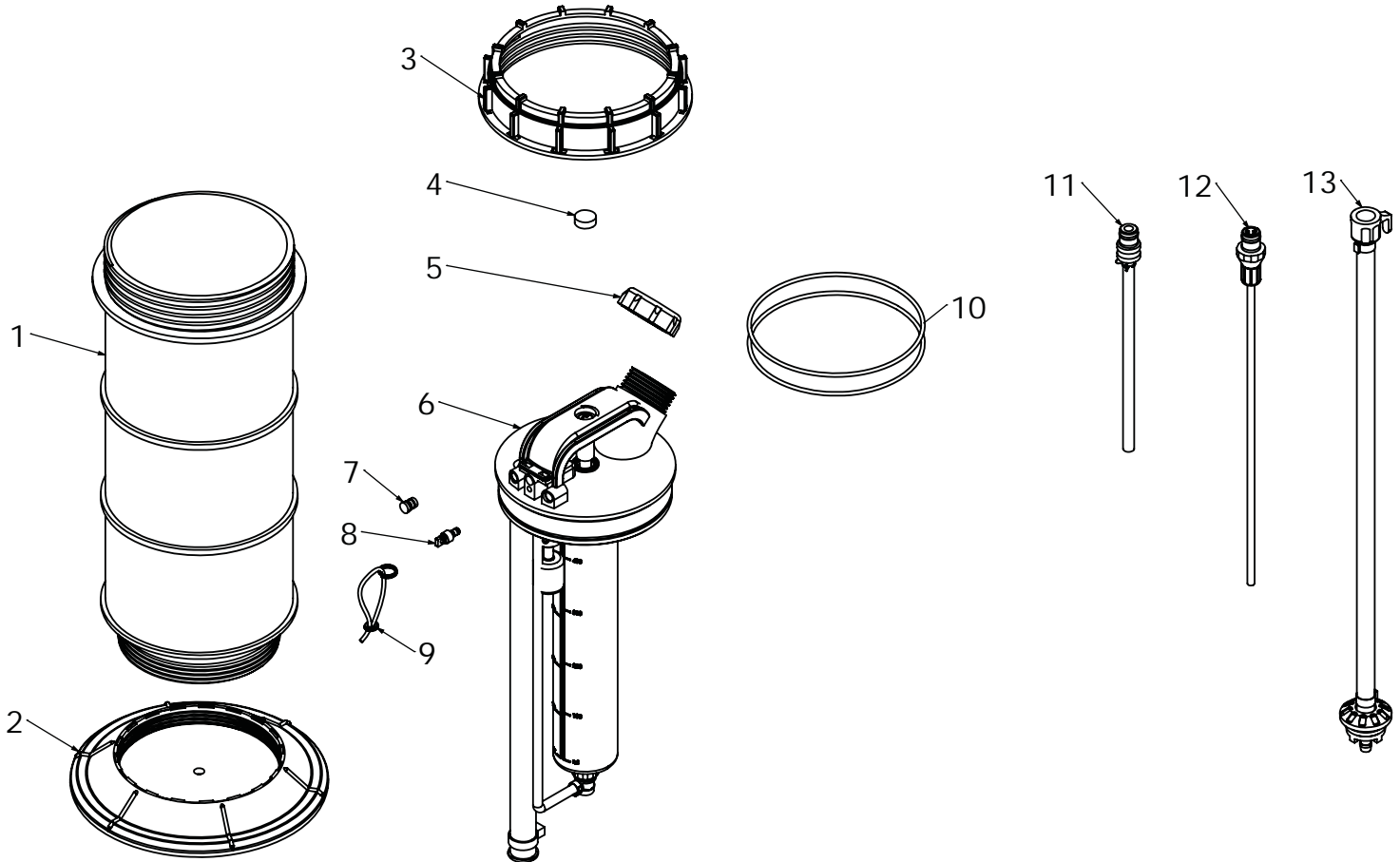


Emptying The Fluid Reservoir:

1. Take off suction hose from the unit to access the spout.
2. Pour out waste fluid through the spout into waste reservoir.
Note: After pouring, if the unit cannot create enough suction for the next job, pull out the red rubber plug on the backside of the handle to release the pressure in the unit.
3. Dispose of used fluids in accordance to your local laws and guidelines.
4. Rinse the evacuator, pump, hose, adapter and tubes with a mild solvent or engine degreaser and allow them to dry thoroughly.

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ATD-5176



ITEM#	ORDERING PART#	PART DESCRIPTION
1	PRT5176-01	TANK (3C003152)
2	PRT5176-02	BASE (3C037027)
3	PRT5176-03	CAP (3C002331)
4	PRT5176-04	HANDLE CAP (3C002330)
5	PRT5176-05	COLLAR NUT (3C002192)
6	PRT5176-06	CENTER SET (201285)
7	PRT5176-07	RUBBER STOPPER (3G021081)
8	PRT5176-08	STOPPER SET (201261)
9	PRT5176-09	KEY SET (201247)
10	PRT5176-10	O RING (3G009315) 2 REQ'D, ORDER INDIVIDUALLY
11	PRT5176-11	3/8" GEAR OIL TUBE (200024)
12	PRT5176-12	6MM OIL SUCTION TUBE (NYLON) (200027)
13	PRT5176-13	OIL HOSE 3/8" (201222)



WARRANTY

1 YEAR LIMITED WARRANTY

THIS WARRANTY AND CONFIRMED RECEIPT(S) SHOULD BE RETAINED BY THE CUSTOMER AT ALL TIMES

PURCHASED FROM: _____

DATE PURCHASED: _____

INVOICE/RECIEPT NUMBER: _____

Your ATD-5176 is warranted for a period of 12 months from the original purchase date.

For a period of one (1) year from your purchase date, ATD Tools Inc. will repair or replace (at its option) without charge, your ATD product if it was purchased new and the product has failed due to a defect in material or workmanship which you experienced during normal use of the product. This limited warranty is your exclusive remedy.

To access the benefits of this warranty, contact your supplier, or point of sale directly. You may be advised to return the product under warranty, freight prepaid, to your supplier for warranty determination.

If this ATD product is altered, abused, misused, modified, or undergoes service by an unauthorized technician, your warranty will be void. We are not responsible for damage to ornamental designs you place on this ATD product and such ornamentation should not cover any warnings or instructions or they may void the warranty. This warranty does not cover scratches, superficial dents, and other abrasions to the paint finish that occur under normal use. It also does not cover normal wear items such as but not limited to brushes, batteries, drill bits, drill chucks, pads or blades.

Subject to the law in your state:

- (1) Your sole and exclusive remedy is repair or replacement of the defective product as described above.
- (2) ATD is not liable for any incidental damages, including but not limited to, lost profits and unforeseeable consequences.
- (3) The repair and replacement of this product under the express limited warranty described above is your exclusive remedy and is provided in lieu of all other warranties, express or implied. All other warranties, including implied warranties and warranties of merchantability or fitness for a particular purpose are disclaimed and, if disclaimer is prohibited, these warranties are limited to one year from your date of purchase of this product.

Some states' laws do not allow limited durations on certain implied warranties and some states' laws do not allow limitations on incidental or consequential damages. You should consult the law in your state to determine how your rights may vary.

[Affix receipt or invoice here for safe keeping]