

Eastwood[®]

DO THE JOB RIGHT.[®]

Item #31805

6.5L MANUAL FLUID EVACUATOR

INSTRUCTIONS



The **EASTWOOD 6.5L MANUAL FLUID EVACUATOR** can be used to draw motor oil, transmission fluid, gear oil, hydraulic fluid, coolant, fuel, and most other non-corrosive automotive fluids. Works well for bleeding brake, clutch and other hydraulic systems.

CONTENTS

- (1) 6.9 Qt. (6.5 l.) Capacity Manual Pump Evacuator
- (1) 39.4" (1 m) x 0.23" (6mm) Nylon Tube
- (1) 39.4" (1 m) x 0.27" (7mm) Nylon Tube
- (1) Inlet Adaptor with 39.4" (1m) x .38" (10mm) Nylon Tube
- (1) Tube Clog Clearing Wire
- (1) 0.38" (10mm) to 0.27" (7mm) Tube Connector
- (1) 0.38" (10mm) to 0.23" (6mm) Tube Connector
- (1) Inlet Adaptor with 59" (1.5m) Silicone Hose with Shut-off Clip and Brake Bleeder Attachment

SAFETY INFORMATION

The following explanations are displayed in this manual, on the labeling, and on all other information provided with this product:

DANGER

DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

WARNING

WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION

CAUTION used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE

NOTICE is used to address practices not related to personal injury.



⚠️ READ INSTRUCTIONS

- Thoroughly read and understand these product instructions before using the Manual Fluid Evacuator.
- Keep these product instructions for future reference.



⚠️ WARNING IMPROPER MOTOR VEHICLE MECHANICAL WORK CAN RESULT IN INJURY OR DEATH!

- Performing work without adequate training in motor vehicle mechanical systems can cause injury, death and vehicle damage. DO NOT attempt to use this tool or begin motor vehicle service work without proper training in and a thorough understanding of motor vehicle service and repair procedures.



⚠️ WARNING FIRE AND EXPLOSION HAZARD!

- DO NOT use for storage of flammable liquids or fuels. Drain flammable liquids immediately after extraction. Flammable liquids emit explosive vapors. Keep away from sources of sparks, flames, or excessive heat.



⚠️ WARNING INJURY HAZARD!

- DO NOT use for extraction of dangerous or caustic chemicals, poisons, acids, or solvents.



⚠️ CAUTION EXPOSURE TO AUTOMOTIVE FLUIDS CAN BE A HEALTH HAZARD!

- Contents can splash into eyes. Be sure to follow all precautions listed on fluid containers before using.
- Wear ANSI Z87.1 approved eye protection while using Evacuator.
- Wear appropriate chemical resistant gloves while handling fluids.



⚠️ CAUTION INJURY HAZARD!

- To avoid possible personal injury and property damage, keep all hoses free of rotating/moving underhood components such as fans, belts etc.
- Do not allow hoses to come into contact with hot underhood components.



⚠️ NOTICE

- Used automotive fluids are hazardous materials and should be disposed of in compliance with local regulations.

SET-UP

- Select the Inlet Adapter with either the with 39.4" (1 m) x 0.38" (9.8mm) Nylon Tube or Inlet Adaptor with 59" (1.5 m) x 0.31" (8mm) Silicone Hose.
- Insert the selected Inlet Adapter into the Inlet/Spout at the top of the Evacuator, by pushing in firmly until seated then turn 15° Counter-Clockwise to lock into position (**FIG 1**).

FOR FLUID EXTRACTION

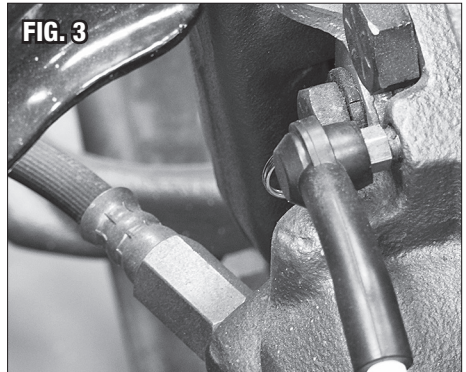
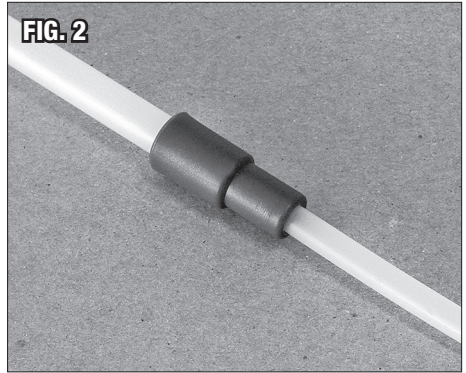
- Determine which Nylon Tube best fits into the dipstick tube or other orifice being accessed.
- Using the appropriate Tube Connector, slip both Nylon Tubes into the Tube Connector until seated (**FIG 2**).

⚠ NOTICE

The Nylon Tube end must be clean and free of burrs, nicks or other damage to properly seal.

FOR BRAKE BLEEDING

- Place the 90° Brake Bleeder Attachment with Silicone Hose over the brake bleeder (**FIG 3**).



OPERATION

FOR FLUID EXTRACTION

- Insert the Nylon Tube into the Dipstick Tube or other orifice until it is determined the end of the Tube has reached the bottom of the oil pan or other vessel.

⚠ NOTICE

This is necessary in order to remove the entire volume of fluid.

- Unfold the Wire Pedal from the base of the Evacuator (**FIG 4**).
- Place a foot on the Wire Pedal for stabilization. Raise the Pump Handle to the top of it's stroke then push downward to the bottom of the stroke for complete pumping action. **NOTE:** Each full stroke is approx. 15" (380mm).
- Repeat pumping action until all fluid is extracted.

FIG. 4



FOR BRAKE OR CLUTCH BLEEDING

⚠ WARNING

IMPROPER MOTOR VEHICLE BRAKE WORK OR OTHER MECHANICAL WORK CAN RESULT IN INJURY OR DEATH!

Performing brake work without adequate training in motor vehicle brake systems can cause injury, death and vehicle accidents. **DO NOT** attempt to use this tool or begin motor vehicle brake work without proper training and a thorough understanding of motor vehicle braking systems.

- DO NOT open bleeder screw at this point!
- Before opening bleeder screw: Raise the Pump Handle to the top of it's stroke then push downward to the bottom of the stroke for complete pumping action. **NOTE:** Each full stroke is approx. 15" (380mm).
- Repeat pumping action until a significant vacuum has been built up. **NOTE:** 6 to 12 pumps may be required to achieve sufficient vacuum.
- The bleeder screw may be opened slightly allowing brake fluid and air to be drawn out. **NOTE:** To stop flow of fluid at any time, close the Shut-off Clip by pressing inward on the flexible tab until it crimps the tube and latches (**FIG 5**). To open, release latch. **NOTE:** To relieve any excess vacuum, press the Pressure Release Button at the top edge of the Evacuator lid (**FIG 6**).

FIG. 5

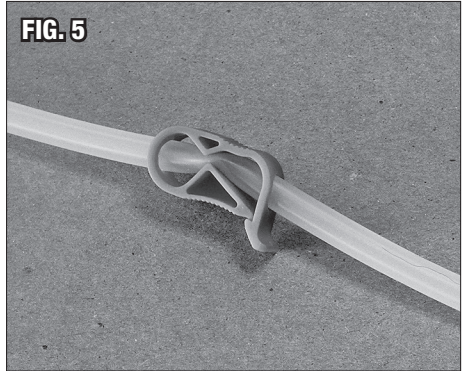


FIG. 6



DRAINING FLUID

- Remove the Inlet Adapter from the Inlet/Spout at the top of the Evacuator by pushing in firmly and turning 15° Clockwise to unlock the latch.
- Grasp Knob and pull out to remove.

⚠ CAUTION EXPOSURE TO AUTOMOTIVE FLUIDS CAN BE A HEALTH HAZARD!

- Contents can splash into eyes. Be sure to follow all precautions listed on fluid containers before using.
- Wear ANSI Z87.1 approved eye protection while using extractor.
- Wear appropriate chemical resistant gloves while handling fluids.

⚠ NOTICE

Used automotive fluids are hazardous materials and should be disposed of in compliance with local regulations.

- Before proceeding to empty the Fluid Canister, note the “Fluid Drain Limited Line” molded into both sides of the Fluid Canister (**FIG 7**). Allowing the fluid level in the Canister to go above this line while tilting the Canister to empty its contents may allow fluid to escape through the built-in Safety Valve.
- Tilt Evacuator Canister to allow accumulated fluid to pour out of Spout.

FIG. 7



⚠ NOTICE

To avoid leakage from the built-in Safety Valve when draining fluid, **DO NOT** allow fluid level in the Canister to exceed the “Fluid Drain Limited Line”.

MAINTENANCE

- **DO NOT** allow fluid to remain in Evacuator Canister.
- **DO NOT** use Evacuator Canister as a fluid storage vessel.
- Remove Nylon Tube or Silicone Hose when done, allow to drain fully then clean out by flushing with a suitable solvent.
- If a clog in a Nylon Tube should occur, use the Tube Clog Clearing Wire by inserting into the end of the tube and pushing until the material causing the clog is discharged.

ADDITIONAL ITEMS

- #31591 Eastwood 8 Pc Axle Nut Socket Set
- #31532 Eastwood Rear Axle Puller
- #32192 Eastwood 3/8" Micrometer Torque Wrench, 15-75 ft/lbs.
- #32193 Eastwood 1/2" Micrometer Torque Wrench, 30-250 ft/lbs.

If you have any questions about the use of this product, please contact

The Eastwood Technical Assistance Service Department: 800.343.9353 >> email: tech@eastwood.com

PDF version of this manual is available at eastwood.com

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