

# MOTIVE PRODUCTS

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## POWER EXTRACTOR™ operation-

Thank you for purchasing the Motive Products Power Extractor™. The Power Extractor™ can be used to evacuate engine oil, transmission fluid, brake fluid and other vehicle fluids (not recommended for gasoline).

### Contents:

- Power Extractor™ tank and pump assembly
- Power Extractor™ tank handle
- (1) pinch clamp (attached to extractor tube)
- (1) 2 ½ foot firm tube (attached to extractor tube)
- (1) 8 inch flexible tube (for vacuum brake bleeding)

### To evacuate fluids:

1. Squeeze pinch clamp until extractor tube is closed.
2. Use hand pump to create vacuum in Power Extractor™ tank.
3. Insert extractor tube into desired fluid reservoir.
4. Release pinch clamp on extractor tube- fluid will start to flow into extractor.
5. Remove extractor tube from fluid reservoir when fluid has been completely extracted.
6. Fill reservoir with new fluid and reattach fill cap.
7. Remove pump assembly from extractor to pour out old fluid.
8. Properly dispose of/ recycle fluid.

### To change oil:

1. Ensure oil is warm by running engine for a few minutes. If engine is hot, allow it to cool to warm.
2. Remove dipstick from engine. Remove oil fill cap (allows suction to work quicker).
3. Follow steps 1-8 above making sure to push firm tube through dipstick hole to bottom of oil pan without jamming into bottom of pan.
4. Add new oil according to manufacturer recommendations.

### To vacuum bleed brakes:

1. Attach flexible tube to firm extractor tube.
2. Attach flexible tube to bleed nipple (consult vehicle manual for proper bleeding sequence).
3. Squeeze pinch clamp until extractor tube is closed.
4. Use hand pump to create vacuum in Power Extractor™ tank.
5. Open bleed valve then release pinch clamp on extractor tube.
6. When old fluid is evacuated and new fluid starts to come through, close bleed nipple.
7. Remove flexible tube from bleed nipple and repeat steps 2-6 for remaining wheels.

**\*MAKE SURE TO KEEP BRAKE FLUID RESERVOIR SUPPLIED WITH FLUID WHILE BLEEDING TO AVOID RUNNING MASTER CYLINDER DRY**

**CAUTION: Do not exceed 15 in. Hg vacuum. Do not allow fluid beyond maximum fill line on tank. Avoid storing any flammable fluids near heated areas or in direct sunlight and use extractor in a well ventilated area. Not recommended for fluid temperatures over 175 degrees F (80 degrees C)**

Power Extractor™ not compatible for oil changes with: 1999-2003 Corvette, 2000-02 Ford SUV, 2000 Ford Taurus, GM-late models with V8, 1999-2001 Pontiac TransAm, 1992-94 Toyota Camry, 2002 & newer Porsche Carrera