


Clean Excavator Parts With an Ultrasonic Cleaner

In this guide, you'll learn how to use an ultrasonic cleaner for your excavator parts. You'll see which parts benefit most and how to get the best results.

 Difficulté **Moyen**

 Durée **1 jour(s)**

 Catégories **Machines & Outils**

 Coût **0 EUR (€)**

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Introduction

Are your excavator parts dirty and grimy? A good cleaning will make them work better and last longer. But not just any cleaning will do. Ultrasonic cleaners are a great tool for cleaning excavator parts. They clean better than scrubbing by hand, especially for parts with small spaces and channels.

Matériaux

Excavator Parts That Are Better Cleaned With Ultrasonic Cleaner:

- **Control valves** - Gets rid of sticky buildup that makes valves stick or move slowly
- **Hydraulic pump parts** - Cleans without scratching precision surfaces
- **Fittings and connectors** - Cleans thread areas where leaks often start
- **Fuel injectors** - Cleans spray holes for better fuel delivery
- **Injection pumps** - Removes deposits that affect timing
- **Fuel filter housings** - Makes reusable parts like new
- **Thermostats** - Removes scale that affects cooling
- **Small sensors** - Cleans without damage
- **Nuts, bolts, and clamps** - Gets rid of oil and dirt

Outils

- A suitably sized ultrasonic cleaner
- An appropriate ultrasonic cleaning solution (Optional)

Étape 1 - Step 1: Prepare Your Parts

Take apart the components following your equipment manual. Rinse off loose dirt with water or use compressed air to blow it away. Check what materials your parts are made from. Most excavator parts are steel or iron and clean well in ultrasonic cleaners.



Étape 2 - Step 2: Set Up Your Ultrasonic Cleaner

Fill the cleaner with the right solution. For oily, greasy excavator parts, use a solution made for metals. Follow the mixing instructions on the package.

Heat the solution to about 140°F (60°C) for best results. Most ultrasonic cleaners have built-in heaters.



Étape 3 - Step 3: Arrange the Parts

Put your parts in the cleaning basket carefully. Follow these tips:

- Don't stack parts on top of each other
- Make sure all surfaces can touch the cleaning solution
- Position hollow parts so air bubbles can escape
- Keep any rubber seals above the solution if possible

Étape 4 - Step 4: Run the Cleaning Cycle

Set the timer for 10-15 minutes to start. Some really dirty parts might need up to 30 minutes.

Don't open the lid during cleaning - this reduces the effectiveness.



Étape 5 - Step 5: Check and Repeat if Needed

After the cycle, check your parts. If they're still dirty, run another cycle. Some stubborn deposits might need a second or third cleaning.



Étape 6 - Step 6: Rinse and Dry

Rinse your parts thoroughly with clean water. Distilled water works best for the final rinse.

Dry the parts completely. You can use:

- Compressed air
 - A warm oven (170°F/75°C)
 - Clean, lint-free towels
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Étape 7 - Step 7: Protect and Reassemble

Apply a light coat of oil to prevent rust, especially on bare metal parts.

Reassemble everything according to your equipment manual.
