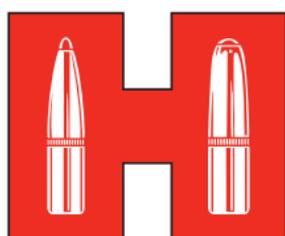
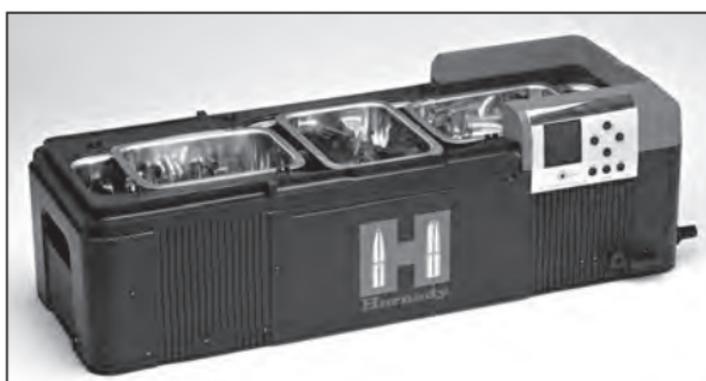


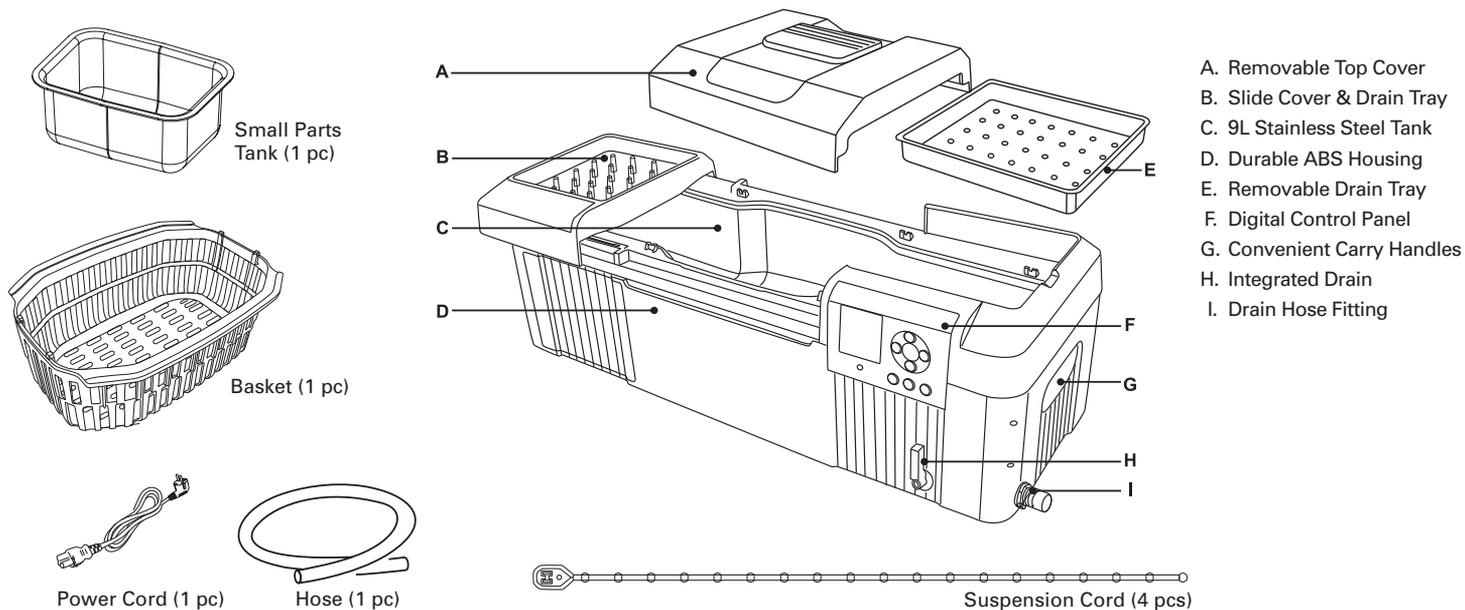
Lock-N-Load[®] Hot Tub[™] Sonic Cleaner[™]

Instruction Manual



Hornady[®]
Accurate. Deadly. Dependable.

PARTS & ACCESSORIES



IMPORTANT SAFETY FUNCTIONS

WARNING - Before operating the unit, please carefully read and understand this document.

1. Only use Hornady approved cleaners such as One Shot® Sonic Clean™ Cartridge Case Solution or One Shot® Sonic Clean™ Gun Parts Solution.
2. Leave the machine unplugged until you are ready to clean parts and have read these instructions.
3. Unit must be unplugged when filling or emptying tank.
4. Do not overfill tank.
5. Do not place hands in unit while unit is running.
6. Do not plug in or unplug unit with wet hands.
7. Do not immerse unit in water.
8. Do not operate unit if power cord is damaged, the unit has been submerged in water, or appears damaged.
9. Do not leave plugged in while unattended.
10. Do not operate unit without solution in tank.
11. Do not operate the unit for longer than 30 minutes without allowing the unit to cool for at least 5 minutes.
12. Do not put easily discolored items into tank such as clothing, leather, wood etc.
13. Do not put electrical devices into unit that are not waterproof.
14. Do not clean eyewear frames or artwork made from shell or hawkbill.
15. Use extreme caution when cleaning aluminum parts in the unit. This unit may damage low grade and/or thin aluminum.
16. Do not leave cleaning solution in tank for an extended period of time.
17. Keep unit away from direct heat sources.
18. Store unit in a dry, flat place.
19. Do NOT use heat function on sensitive items or painted parts.

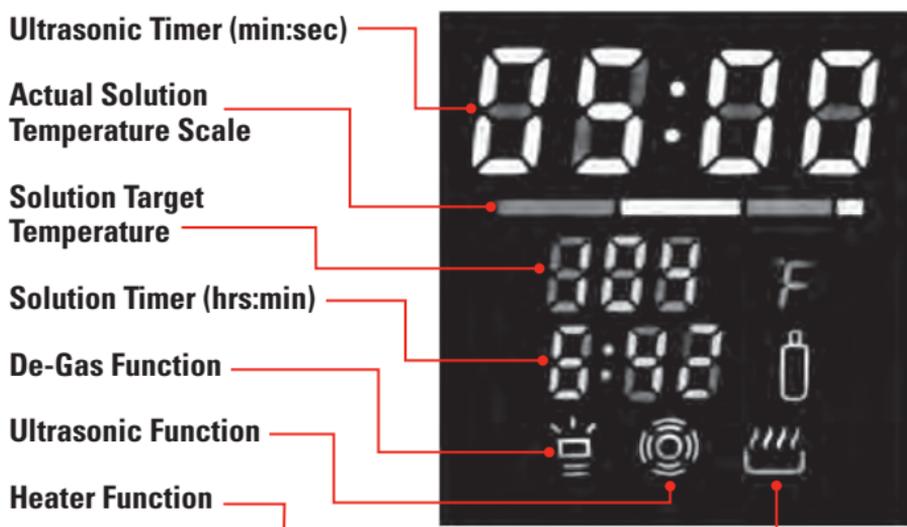
NOTE: The Lock-N-Load® Sonic Cleaner™ may appear to be off or can not be turned off when it is subjected to electrical power surges. If this happens, simply unplug the unit, wait a few seconds and plug it back in. This will reset everything and the cleaner will resume normal operation.

Thank you for purchasing the Hornady Lock-N-Load® Sonic Cleaner.™ Please read these instructions before using this machine. If you have any questions about this accessory, contact us at 1-800-338-3220.

The Hornady Lock-N-Load® Sonic Cleaner™ removes carbon residue from the inside and outside of cartridge cases with high frequency ultrasonic energy and a specialized cleaning solution. Unlike case tumblers, the Lock-N-Load® Sonic Cleaner™ effectively cleans the inner surfaces of cartridge cases as well as the primer pockets. The Lock-N-Load® Sonic Cleaner™ may also be used to clean other small parts. The Lock-N-Load® Sonic Cleaner™ features a 9 liter stainless steel tank, removable basket, drain trays, de-gas function, adjustable heating function, a digital timer, a solution usage timer, and suspension cords for larger items.

The primary function of the Lock-N-Load® Sonic Cleaner™ is to chemically and mechanically clean a variety of items. It may or may not produce “shiny” brass. To create bright and polished brass we recommend using the Hornady Case Tumbler. Not all carbon buildup and tarnish may be removed from cases due to the corrosive nature of some primer residue and/or deep corrosion.

LOCK-N-LOAD HOT TUB™ ILLUMINATED DISPLAY



DE-GAS FUNCTION

The Hornady Lock-N-Load® Sonic Cleaner™ includes a de-gassing function to remove excess air bubbles from the solution, improving the effectiveness of the ultrasonic cleaning action. The de-gassing function cycles the unit on and off, causing air bubbles to release from the solution and float to the surface.

To turn on the de-gas function, press the FUNCTION button repeatedly until the symbol above the De-gas label is illuminated. Then turn the unit on by pressing the ON/OFF button. After de-gassing for 90 seconds, the unit will return to regular ultrasonic cleaning until the timer expires.

HEATING FUNCTION

The Hornady Lock-N-Load® Sonic Cleaner™ includes a heating function to further enhance the ultrasonic cleaning action. The heating function may be used on most gun components, however caution should be used with any heat sensitive items.

The heating function should not be used on painted parts, as the heat may soften the paint and cause it to flake off during ultrasonic cleaning.

Most brass cartridges do not need heat to efficiently clean. Using the heating function during prolonged cleaning cycles may actually cause tarnishing to appear.

To turn on the heating function, press the HEAT button until the heater light turns on. The unit will then heat to the target temperature when the ultrasonic cleaner is turned on. The heater light will continue to flash until the solution reaches the target temperature, at which time the light will turn off.

To adjust the target temperature, press the TEMP button to cycle through the preset temperature options. Pressing the TEMP button and then the ▼ button repeatedly will decrease the target temperature.

Always use the lowest temperature setting possible to achieve the desired cleaning results without overheating the parts.

Extreme caution should be used with the heating function. The cleaning solution can become very hot and great care should be used when handling hot parts and solution.

CLEANING INSTRUCTIONS – BRASS CASES

Before you start cleaning cases, make sure all spent primers have been removed with a full-length die, neck die or the Hornady Universal De-capping Die (050085). This will greatly enhance the cleaning of primer pockets.

Place cases in basket and lower into the tank. Add enough water so the cases are completely submerged but do not exceed the MAX water line which appears on the side of the basket and tank. Mix solution according to instructions on bottle.

To set the timer, press the TIME button until the desired cycle time appears. Pressing the TIME button multiple times will increase the timer in 5 minute intervals from 5 to 30 minutes. Pressing the ▼ button will decrease the timer by 1 minute.

The heating function does not need to be used on cartridge brass and may actually cause tarnishing to appear.

When using new solution, or there appears to be small air bubbles in the solution, it is recommended to run the de-gassing function prior to cleaning. This can be done after the parts are added and will remove many of the air bubbles in the solution, causing the Lock-N-Load® Sonic Cleaner™ to run more efficiently. See previous instructions in "DE-GAS FUNCTION."

Press the ON/OFF button to stop or pause a cycle. Pressing the ON/OFF button again will restart the current cycle.

Check cases periodically to determine appropriate cleaning time. Most cases will be clean after 10-20 minutes, however, longer cycles may be needed for cases with heavy carbon buildup or for larger batches. If running longer than 30 minutes, allow unit to cool for approximately 5 minutes before continuing additional cleaning cycles.

Unplug power cord and drain cleaning solution into tank by lifting and tilting basket with the cleaned cases. Rinse cleaning solution from the cases. De-ionized water will minimize water spots on the cases while they are drying.

To drain the tank, attach the rubber hose to the side discharge fitting by firmly pressing tube until fully seated. Place the end of the tube into storage container or drain and open valve on front of unit. Rinse remaining residue from tank and dry with a soft cloth. Do not pour cleaning solution out over the sides of the unit as it may damage internal components.

CLEANING INSTRUCTIONS – OTHER ITEMS

The previous steps can be used to clean other items such as gun components, metallic shooting and reloading equipment as well as other waterproof household items. If you wish to clean sensitive or valuable items, use distilled water in the tank without any type of detergent or cleaning solution. Never use heating function on sensitive items or painted parts. Read and follow instructions on cleaning solution bottles.

Do not use the Hornady One Shot® Sonic Clean™ Cartridge Case Formula to clean non-brass items, as it may harm some finishes. Thoroughly rinse the inside of the Hornady Lock-N-Load® Sonic Cleaner™ tank when switching cleaning solutions. Oversized items that do not fit in the tank can be cleaned by partially submerging one end and then rotating and repeating the cleaning cycles.

CLEANING INSTRUCTIONS – SMALL PARTS TANKS

The Hornady Lock-N-Load® Sonic Cleaner™ includes one small parts cleaning tank (150209) for cleaning smaller items. Additional tanks can be purchased separately. Up to three small parts tanks can be placed into the larger tank.

By using the small parts tanks, smaller batches can be used without wasting cleaning solution in the larger tank. It also allows different solutions to be used at the same time, For example, one tank can be filled with Hornady One Shot® Sonic Clean™ Gun Parts Solution while the other tanks can be filled with Hornady One Shot® Sonic Clean™ Cartridge Case Solution.

The small parts tank can be used by first filling the larger main tank with water to the minimum fill line. Place items to be cleaned (cases, gun components, etc.) into the small parts tank and then fill with the appropriate cleaning solutions until the items are completely submerged. Place the small parts tank into the larger tank on either side, or in the middle. Additional water may be added to the larger tank to match the level in the small parts tank as long as it does not overflow the maximum level marked on the tank. The Hornady Lock-N-Load® Sonic Cleaner™ can now be operated as described in the previous sections.

SOLUTION TIMER FUNCTION

The Lock-N-Load® Sonic Cleaner™ includes a solution timer to help monitor the useful life of the solution. Depending on the cleanliness of the items being cleaned, the cleaning solution can be used for multiple batches. However, the solution will eventually become saturated with contaminants and no longer provide an effective cleaning action. At this time, the solution needs to be replaced.

The solution timer helps monitor how long each solution mixture has been used.

To set the solution timer, press the SOLUTION button until the desired time appears. Pressing the SOLUTION button and then the ▼ button repeatedly will decrease the solution timer. The timer will automatically count down when the ultrasonic cleaner is running until the timer expires. At this time the solution should be replaced.

Note: Do not store solution in tank for extended periods of time as it may damage or discolor the tank.

USING SUSPENSION CORDS

The Hornady Lock-N-Load® Sonic Cleaner™ includes 4 suspension cords to most efficiently clean large items.

If an item is too large for the basket or small parts tank, the suspension cords may be used. For example, when cleaning a barrel, wrap suspension cord around each end of the barrel, and then hook the cord into the tabs in the housing above the tank.

Items may touch the tank, however, this will decrease the ultrasonic cleaning efficiency. For best results, suspend parts about 1/2 to 1 inch above the bottom of the tank.

MAINTENANCE

If the unit will not be used for an extended period of time, unplug the power cord, empty the tank and rinse it with fresh water.

Use a damp towel to remove any chemical residue from the tank.

Use a soft clean towel to dry the surface of the tank and store the unit in a cool/dry location. Renew cleaning solution often to maintain the efficiency and performance of the Lock-N-Load® Sonic Cleaner.™ Solutions, as with most chemicals, will become spent over time.

Replenish solution when it becomes visibly dirty or if you notice a decrease in cleaning effectiveness.

WARRANTY

Hornady Manufacturing warrants to you that for one year from the date of purchase, your Lock-N-Load® Sonic Cleaner™ will be free from defects in material and workmanship. This warranty does not cover damage caused by normal wear, accidents, abuse or failure to provide proper care and maintenance.

SPECIFICATIONS

Model Number: 043310

Tank Dimensions:
25.5" x 7.0" x 4.0"

Timer Settings:
0-30 Minutes

Power Supply:
AC 100-120V 60Hz

Power: 500W Total

Frequency: 35,000 Hz

Model Number: 043311

Tank Dimensions:
25.5" x 7.0" x 4.0"

Timer Settings:
0-30 Minutes

Power Supply:
AC 220-240V 50Hz

Power: 520W Total

Frequency: 35,000 Hz

OPTIONAL PRODUCTS - SOLD SEPARATELY



**ONE SHOT® SONIC CLEAN™
CARTRIDGE CASE FORMULA**

Non-toxic and uniquely formulated to clean brass cases, this 40:1 concentrated cleaner quickly removes most tarnish, oxidation and carbon buildup. Designed specifically for the Hornady® Lock-N-Load® Sonic Cleaners.™

32 fl oz. No. 043355
Gallon No. 043356



**ONE SHOT® SONIC CLEAN™
GUN PARTS FORMULA**

Cleans all gun parts and is safe for all firearms finishes. This 40:1 concentrated cleaner quickly removes carbon, dirt, grease and powder residue. Designed specifically for the Hornady® Lock-N-Load® Sonic Cleaners.™

32 fl oz. No. 043360
Gallon No. 043361

**ADDITIONAL SMALL
PARTS TANK**

6.7" x 4.7" x 3.2"
(1.6 Liters/1.7 Quarts)

No. 150209



**ADDITIONAL
PLASTIC BASKET**

11.0" x 6.0" x 4.0"

No. 150207



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Accurate. Deadly. Dependable.

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