

ROTOVAC



360 xl Rotary Extractor Owner's Manual

360 xl/03/4/2015

IMPORTANT!

BEFORE USING YOUR **360 xl**,
PLEASE

- Read Your Owner's Manual
- Watch Your Training Video
- Call For Important Instructions

TOLL FREE – U.S. and CANADA

1-888-768-6822

OUTSIDE NORTH AMERICA

1-425-883-6746

Hours: 8:00 am to 5:00 pm Pacific Time

CALL BEFORE USING FOR THE FIRST TIME

Before using the **360 xl** for the first time, read the owners manual, watch the training video, write down any questions that you may have and then call Rotovac toll-free for valuable tips and pointers.

1-888-768-6822. (8:00 am to 5:00 pm Monday - Friday PST) Training video is available online at: www.rotovac.com

*** WARNING ***

*** Allowing your equipment to freeze will void your warranty ***

Thoroughly remove as much moisture from all lines and tanks in the equipment system before storing in cold climates.

Equipment should never be stored where it can freeze.

Excess water can freeze during storage and crack the internal components of powered equipment and accessories, damaging them and voiding the warranty.

An unheated vehicle will not protect your equipment.

¡ ADVERTENCIA !

*** Permitir que el equipo se congele anulará la garantía. ***

Retire totalmente toda humedad del interior de todas las líneas y de los tanques en el sistema del equipo antes de almacenar en climas fríos.

El equipo nunca debe almacenarse dónde se puede congelar.

Cualquier agua restante puede congelar durante el almacenamiento y puede agrietar los componentes internos del equipo y de los accesorios, dañándolos y anulando la garantía.

Un vehículo sin la calefacción no protegerá su equipamiento.

*** AVERTISSEMENT ***

*** Permettre à votre équipement de congeler annulera votre garantie. ***

Enlevez complètement toute humidité de l'intérieur de tous les lignes et réservoirs dans le système de l'équipement avant d'être stocké dans des climats froids.

L'équipement ne devrait jamais d'être stocké où il peut congeler.

Toute eau restante peut congeler pendant le stockage et peut éclater les composants internes de l'équipement actionné et des accessoires, endommageant eux et annulant la garantie.

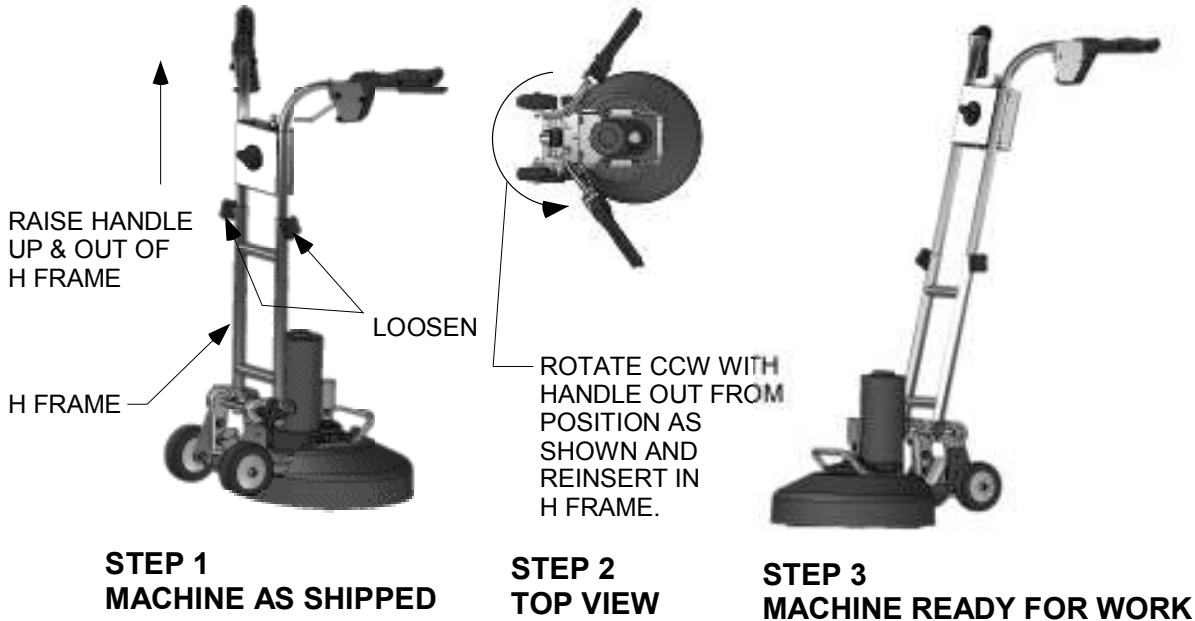
Un véhicule sans le chauffage ne protégera pas son équipement.

ON DHX AND 360 UNITS THE HANDLE IS INSTALLED BACKWARDS FOR SHIPPING. USE THESE INSTRUCTIONS TO PREPARE UNITS FOR WORK.

STEP 1
LOOSEN THE 2 KNOBS ON THE OUTSIDE OF THE H FRAME HANDLE.

STEP 2
REMOVE HANDLE FROM H FRAME AND ROTATE COUNTER-CLOCKWISE HALF TURN (180°) AND RE-INSERT HANDLE INTO H FRAME.

STEP 3
TIGHTEN BOTH KNOBS WITH THE HANDLE AT ALMOST FULL LENGTH.



360 UNIT SHOWN - DHX UNIT PROCEDURE IDENTICAL.

Congratulations on owning the new Rotovac *360 XL Extraction System*.

The patented rotary extraction cleaning head of the ***360 XL*** produces unparalleled cleaning results for carpet and hard surface flooring while greatly reducing operator fatigue.

Operator's responsibility

As with all equipment, proper operation and maintenance plays a vital role in the performance of the ***360 XL***. It is therefore extremely important that this operations manual is read and understood completely before operating the ***360 XL***.

CALL BEFORE USING FOR THE FIRST TIME !

If you are using the ***360 XL*** for the first time read the owners manual, watch the training DVD (also available on line at Rotovac.com) and then call Rotovac toll-free **before using** for valuable tips and pointers at **1-888-768-6822. (Office hours: 8:00 a.m. to 5:00 p.m. Monday through Friday P.S.T.)**

Online Service Instructions

Service instructions are available online @ **www.ROTOVAC.com**, under Rotovac Manuals in the left hand column.

OVERVIEW

The Rotovac **360 XL** maneuvers in the same manner as a rotary floor buffer with a “heel and toe” left to right cleaning motion. If you have never operated a rotary floor type machine, this will take a little practice to learn how to control properly. Once mastered, operating the **360 XL** is a nearly effortless self propelled side to side motion. It may take a few jobs to learn how to operate the **360 XL** efficiently. Be patient and try it on some really dirty carpets and you will soon discover that the Rotovac **360 XL** cleans better, leaves it drier and is much more impressive to your customers than a traditional wand cleaning. When presented and used properly, the **360 XL** will impress your customers and lead to a major increase of referral and repeat business.

CONTROL:

When operating the **360 XL** for the first time, you can run it dry (not hooked up to an extractor) in an open carpeted area to get used to the handling characteristics. Extend the telescoping handle out to near its fully extended length. Adjust the handle angle to a low enough position so that your arms are extending almost straight down during operation. Before turning on, make sure the cleaning head is **flat and level on the carpet**. Learn how to “hover” the **360 XL** in one spot without fighting it. Once you have found the center of balance and proper technique, you will find the **360 XL** is very easy to control. The **360 XL** maneuvers left and right like a rotary floor scrubber (heel and toe). Lifting up slightly on the handle causes the **360 XL** to move to the right. Letting down on the handle causes the **360 XL** to move to the left. Slightly twisting the handles clockwise moves forward, counterclockwise rearward. Combined handle movements allow motion in any direction. The on/off trigger is located under the left handle grip. The solution valve trigger is located under the right handle grip. A red lever solution flow control valve allows for the adjustment of flow rate.

CLEANING:

With the solution trigger activated, make cleaning passes in a slow left and right motion allowing the **360 XL** to do the work. Overlap cleaning passes approximately 50% to assure thorough cleaning. The more soiled the carpet, the slower you should make the cleaning passes. Clean an area of approximately 4' X 4' with solution on and then let off the solution valve trigger and go back over the carpet with a vacuum only "dry pass" to provide maximum extraction for faster drying. For normal carpet cleaning spray pressure we recommend operating between 50 and 300 PSI.

PRECAUTIONS

Be careful not allow the rotating vacuum heads to strike any stationary objects such as **metal thresholds, floor vent registers, furniture legs etc.** Be extra careful when cleaning up next to where the carpet meets the hard floor as the rotating vacuum shoes could scratch and damage the hard floor. Reduce the head speed to avoid hard impact when cleaning close to any object that the rotary could impact.

Transporting

Be careful that the **360 XL** cleaning head does not come loose, unscrew and fall off while you are carrying or rolling it around.

Before carrying or rolling the **360 XL** check that the head is screwed on tight.

Warnings-

* Never allow unit to freeze. Damage due to freezing water expansion will **NOT** be covered under warranty.

* Keep motor and handle dry to avoid shorting out electrical components.

* Do not use **360 XL** in standing water, such as on a flooded carpet.

* Always use a grounded electrical outlet. Keep the control box on the handle dry. If the control box becomes wet, do not operate, call Rotovac for instructions.

* Always wear rubber-soled shoes when operating the **360 XL**

* Only trained personnel who have read this manual and understand completely the information herein should operate the **360 XL**.

* Regularly inspect the cleaning heads for any nicks or burrs. Grind or sandpaper away any sharp edges, nicks or burrs before use.

* Maintain tightness of all screws at all times

Routine Maintenance

While facing the cleaning head, use the heel of your shoe to stomp down on the right side of a vacuum head so that the head unscrews clockwise from the motor. If the head is stuck try a rubber mallet and a block of wood.



Head Stuck on 360 XL Removal Technique:

If you do not regularly remove the cleaning head, it may be more difficult to remove. Should initial procedure prove unsuccessful more force may be necessary. Place a 7/8" wrench onto reducer bushing and rest it against the motor housing tube while repeating step 2 with more force.



Replacing the Cleaning Head

Note: Always check that the vacuum is turned off and the felt seal remains seated in position on the studs when replacing the cleaning head.

When screwing the head back on you should feel the felt seal engage (sandwich) 1/4 turn before the head bottoms out. This ensures a good vacuum seal.

Felt Vacuum Seals

Check the felt vacuum seals on the vacuum head for damage or wear. **A good felt seal is important for maximum vacuum extraction performance.** An excessively worn or torn felt seal will result in poor extraction. The felt seal will perform better and last longer if treated with a non-oily silicone spray. We prefer **Dupont Silicone/Teflon** spray, available at Home Depot.



**Carpet and hard floor head
Felt Vacuum Seal**

Vacuum System Maintenance

To replace worn or damaged Vacuum Shoes, first remove the Head from the machine (see previous). The the stainless steel cover plate can then be removed by removing the 6 screws holding it in place. This allows access to the screws holding the vacuum shoes in place. If the shoes are being changed, remove the screws, and reattach new shoes. Tighten screws down securely. Make sure that the seal retainer clips are returned to their original position. When reinstalling the cover assembly, **make sure that the vacuum channels in the cover/seal match up with the channels in the molded head.** The Round Glide Discs are accessible from the underside without disassembly.

Sprayer System Maintenance

Periodically tilt the ***360 XL*** back and visually inspect the spray pattern of the jets to make sure they are not clogged or aimed in the wrong direction. The spray fan

pattern should be aligned with the vacuum slots and should never go beyond the outer edge of the vacuum slot.

360 XL TROUBLE SHOOTING GUIDE

1. Overspray from cleaning head, slinging water.

*Make sure spray jets are pointing slightly inward and your psi is not turned up too high. Recommend 100 to 300 psi

2. Leaving carpet too wet.

*Make sure felt vacuum seal is not worn or torn.

*Turn down psi.

*Make slower vacuum only dry pass.

*Check to make sure your vacuum system is working properly and the filters in your extractor are not clogged with carpet lint.

* Make sure top plate of cleaning head black foam gasket is aligned properly with vacuum slots,

*Check vacuum on your extractor for full power.

WARRANTY

Rotovac Corporation products are warranted to be free of defects in material for 1 year as noted below:

During this warranty period, we will repair or replace, at our sole option, free of charge, any parts shown to be defective in either material or workmanship. Said parts must be returned with postage or freight pre-paid. Specific parts, such as switches, vacuum motors, pumps, fittings, etc., are also warranted for a period of 1 year from date of original purchase.

This warranty is for replacement of defective parts or workmanship only. IT DOES NOT PROVIDE FOR REPLACEMENT OF COMPLETE UNITS DUE TO DEFECTIVE PARTS. It does NOT cover normal wear items such as hoses, power cords, bumpers, carbon brushes, gaskets, etc., which require replacement as a result of ordinary usage. Also, failures caused by abuse, neglect, alterations or operation contrary to manufacturer's recommendations are not warranted.

Replacement parts are warranted only for the remainder of the original warranty period.

This warranty does not cover labor or other charges in connection with replacement parts. NO LOCAL SERVICE OR REPAIR CHARGES ARE ALLOWED UNLESS PRIOR AUTHORIZATION IS OBTAINED.

There are no other warranties, expressed or implied, made with respect to this equipment. The manufacturer assumes no responsibility for damages resulting from the use or misuse of this equipment. NOTE: This warranty is not transferable.

Rotovac Corporation

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