

Salvage Water-Damaged Equipment

A HOW-TO GUIDE

Salvaging and restoring water-damaged electrical equipment after flooding requires caution and safety measures to prevent electrical hazards and ensure the equipment functions properly. This can be a complicated process so, it is essential to prioritize safety and take certain precautions. Let CRC guide you through the process with the tools you need to for success.

A



Clean the equipment.

To remove dirt, mud, oil, sludge and other contaminants deposited by water, follow these directions as closely as possible.

1. Remove end bells from electric motors and pumps.
2. Remove covers from switch gears and control panels.
3. Flush or spray equipment with generous amounts of clean water and a water based cleaner such as our HydroForce® products to remove any water based contaminants. If possible, dip equipment in a tank or drum of clean water and agitate while submerged.
4. Stand motors and pumps on end and allow to drain.

B



Apply a CRC Cleaner or Degreaser

To remove oil, grease and sludge contamination not removed by water flushing, dip equipment in a CRC Heavy Duty Degreaser or spray thoroughly. Agitate motors and pumps while submerged.

Remove and stand on end. Allow to drain. Spray switch gear and control boxes liberally. Be sure to spray all contaminated areas. Allow to air dry.

NOTE: Equipment already soaked with water will not be damaged by the use of clean water to flush away dirt, mud and chemical contaminants. Equipment flushed with clean water responds more quickly to treatment with CRC products.

HEAVY DUTY DEGREASER

- No flash or fire point
- Fast evaporation with no residue
- Non-corrosive, non-staining and non-conductive
- High dielectric strength of 15,710 volts
- High cleaning strength of 95 KB
- Contains no Class I or Class II Ozone Depleting Chemicals

CRC Part No.	Case/Order#	Container Size
03095	1003363	19 oz Aerosol



HEAVY DUTY DEGREASER II

- Cleans without residue build-up
- High flashpoint: 185°F
- Non-chlorinated, non-conductive and non-corrosive
- High dielectric strength of 42,100 volts
- Contains no Class I or Class II Ozone Depleting Chemicals
- Zero VOC formula

CRC Part No.	Case/Order#	Container Size
03120	1003397	15 oz Aerosol



T-FORCE® DEGREASER MUO (Manufacturing Use Only)

- Quickly dissolves grease, oil and sludge for more efficient operation of mechanical equipment
- Evaporates rapidly
- Leaves no residue
- Has a good health & safety profile

CRC Part No.	Case/Order#	Container Size
03915	1003515	18 oz Aerosol



C



Apply a CRC Moisture Displacing Lubricant

Saturate equipment inside and out. When possible, dip equipment in 3-36®. Agitate while submerged. Remove and allow to drain. Spray generously and allow excess to run off. Continue spraying until 3-36® run-off is clean and clear.

NOTE: 3-36® is green/blue in color. When contaminated with water, it becomes milky colored. Allow to drain. Adequate drainage is a must.

3-36® Multi-Purpose Lubricant and Corrosion Inhibitor

- Drives out moisture and leaves a thin, long lasting film to protect against corrosion
- Plastic safe – Will not harm modern plastics, including polycarbonates, ABS and Noryl®
- Prevents corrosion by displacing moisture
- Restores resistance values and helps stop current leakage
- Cleans light soils and contaminants

CRC Part No.	Case/Order#	Container Size
03005	1003254	11 oz Aerosol



D



Measure Resistance

Take Megger readings after equipment has drained. If readings are not up to minimum resistance levels, REPEAT applications.

Minimum resistance levels have been set in the IEEE RECOMMENDED PRACTICE FOR TESTING INSULATION RESISTANCE OF ROTATING MACHINERY STD: 43-1974 reaffirmed 1984. It reads as follows:

- $R_m = kV + 1$
- Where R_m = recommended minimum insulation resistance in megohms at 40°C of the entire machine winding
- kV = rated machine terminal to terminal potential in rms kilo volts
- Minimum resistance is the 1000 ohms/volt + 1 megohm

🌀 = 360° Spray System

E



Apply a CRC Precision Cleaner

When minimum levels have been reached, spray low voltage contacts with a CRC Precision Cleaner.

CO™ PRECISION CLEANER

- No flash point
- Fast evaporation, leaves no residue
- Non-corrosive & non-conductive
- High dielectric strength of 26,100 volts
- Contains no Class I or Class II ozone depleting chemicals
- Test on plastics
- Not for use in California

CRC Part No.	Case/Order#	Container Size
02016	1003171	14 oz Aerosol



Contact Cleaner 2000® Precision Cleaner

- No flash point
- Fast cleaning action for the removal of dirt, light oils and other contaminants
- Non-conductive and non-corrosive
- Evaporates quickly, leaves no residue
- Contains no Class I or Class II ozone depleting chemicals
- Test on plastics

CRC Part No.	Case/Order#	Container Size
02140	1003223	13 oz Aerosol



QD® CONTACT CLEANER

- Plastic Safe
- Evaporates quickly and leaves no residue
- Effectively removes soil and other contaminants from electronic components
- Ideal for applications where lower flash point solvents can be used

CRC Part No.	Case/Order#	Container Size
02130	1003216	11 oz Aerosol



XT-2000™ PRECISION CLEANER

- No flash point
- Evaporates rapidly leaving no residue
- Chemically stable, non-conductive and non-corrosive
- Low odor
- Safe on most plastics

CRC Part No.	Case/Order#	Container Size
03155	1003424	12 oz Aerosol



F



Do Not Energize Until Minimum Resistance Levels are Obtained

When Megger readings indicate minimum resistance levels have been reached, energize motors and pumps under “no load” conditions. Allow to run for a period of time to continue drying under normal conditions. When Megger readings return to normal, motors and pumps can be used in normal loaded manner.



Don't Forget Additional Products from CRC to Help Your Clean-Up Efforts

- Chain Lubricant
- Belt Dressing
- HydroForce® line of products for general purpose cleaning, degreasing and disinfecting
- Evapo-Rust® Heavy Duty Rust Remover



800-556-5074 • cxus@crcind.com • crcindustries.com

CRC Industries, Inc. is a global leader in the production of specialty products and formulations for the do-it-yourself and maintenance professional, serving the automotive, industrial, electrical, marine, heavy truck, hardware, and aviation markets. CRC trademarked brands include: CRC®, Brakleen®, Evapo-Rust®, K&W®, Marykate®, SmartWasher®, Sta-Lube®, and Weld-Aid®.

TOGETHER, WE GET IT DONE.®

©2026 CRC Industries, Inc.