



Salvage Water-Damaged Equipment Guide

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.

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.

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 boxes and control boxes liberally. Be sure to spray all contaminated areas. Allow to air dry.

Note: Since CRC heavy duty degreasers are strong cleaners, they may cause crazing or softening of some plastics. It is recommended that a small area be tested before using on plastic parts.

Heavy Duty Degreaser

- No flash or fire point
- Fast evaporation with no residue
- Non-corrosive, non-staining and non-conductive
- High dielectric strength of 36,800 volts
- High cleaning strength of 117 KB
- Contains no Class I or Class II Ozone Depleting Chemicals

1006173 73095 539 g aerosol



Heavy Duty Degreaser II

- Cleans without residue build-up
- High flashpoint - 82°C
- 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

1006179 73120 425 g aerosol



Lectra Clean® Heavy Duty Electrical Parts Degreaser

- No flash or fire point
- High dielectric strength of 50,500 volts
- Non-corrosive, non-staining and non-conductive
- Contains no Class I or Class II Ozone Depleting Chemicals
- Fast evaporation, leaves no residue

1006115 72018 539 g aerosol



Lectra Clean® II Non-Chlorinated Heavy Duty Degreaser

- High flashpoint 82°C
- Controlled evaporation
- 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

1006127 72120 425 g aerosol



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C. Apply a CRC Moisture Displacing Lubricant

Saturate equipment inside and out. When possible, dip equipment in 2-26 / 3-36. Agitate while submerged. Remove and allow to drain. Spray generously and allow excess to run off. Continue spraying until 2-26 / 3-36 run-off is clean and clear.

3-36® Multi-Purpose Lubricant and Corrosion Inhibitor

- Forms a clear, thin film that lubricates, prevents corrosion, and displaces moisture
- VOC Compliant
- Prevents corrosion by displacing moisture and leaving a barrier film
- Penetrates through corrosion to loosen frozen parts
- Lubricates without leaving a sticky residue

(Note: 3-36 is a green/blue colour. When contaminated with water, it becomes milky coloured. Allow to drain. Adequate drainage is a must.)

1006138 73005 312 g aerosol
1006140 73009 19 L pail
1006141 73011 208 L drum



2-26® Multi-Purpose Precision Lubricant

- 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

1006109 72005 312 g 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 RATINGS 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

E. Apply a CRC Precision Cleaner

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

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 Cass I or Class II Ozone Depleting Chemicals
- Test on plastics

1006132 72140 369 g 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 flashpoint solvents can be used

1006129 72130 312 g aerosol
1006131 72131 19 L pail



XT-2000™ Precision Cleaner

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

1006134 72155 340 g 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.

Tropical storms and hurricanes not only cause extensive damage to electrical and electronic equipment, but their aftermath is devastating and requires an extensive clean-up effort. maximum performance from power tools is a must. Don't forget additional products available from CRC, such as, Chain & Wire Rope Lubricant, Belt Dressing, Air Tool Oil, Universal 2-Cycle Oil, and our wide array of greases. Also, remember CRC's HydroForce® line of products for general purpose cleaning, degreasing and disinfecting.



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