

OVERHEAD CONDUCTOR CLEANING

Preparation Standard for Compression Fitting Installations

1.0 PURPOSE

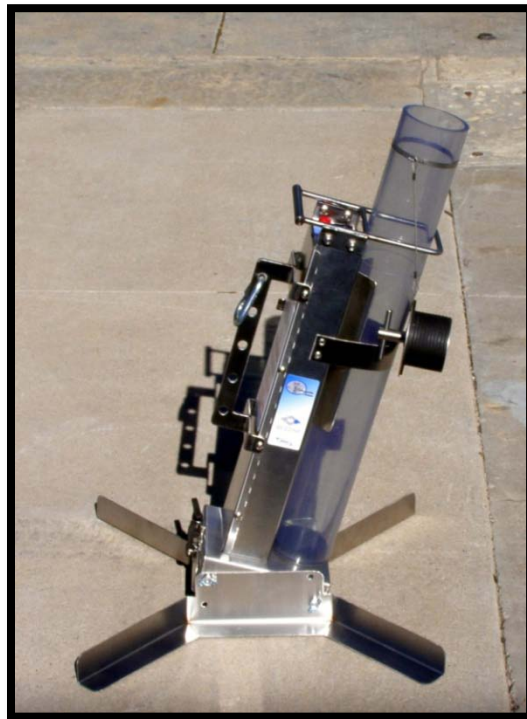
1.1 The purpose of this standard practice is to provide instructions for the proper operation of the ConductaClean® overhead conductor cleaning tool.

2.0 APPLICABILITY

2.1 This standard practice applies to electric transmission crews whose assignment is to properly clean and prepare ACSR, ACAR, AAC/AAAC or ACSS overhead conductors for installation of aluminum compression fittings.

3.0 DEFINITIONS

3.1 **ConductaClean® Tool:** This system is used to thoroughly clean the ends of aluminum conductors prior to compression splicing procedures.



ConductaClean® Tool

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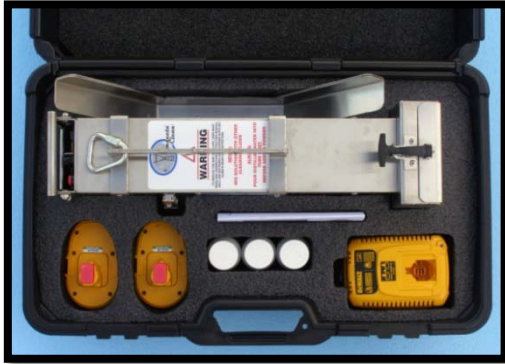
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4.0 TOOL PREPARATION PROCEDURE

- 4.1 Read ConductaClean® User's Guide prior to operation.
- 4.2 Remove ConductaClean® tool, legs and one **charged** battery from case. (Attach adjustable feet if desired for ground operation)



- 4.3 Ensure ConductaClean® power switch is in the "off" position. Turn tool upside down, pull T-handed latch and open the battery compartment cover. Insert 18V battery into battery compartment.



- 4.4 Close battery compartment cover and pull T-handle latch down to re-secure.

- 4.5 Turn tool right-side up. Unlock tube retaining strap, insert tube into tool and re-secure retaining strap. (Note: user may opt to fill solution tube with cleaning mix without securing tube to tool.)



5.0 CLEANING SOLUTION PREPARATION PROCEDURE

- 5.1 Remove cap from tube. Fill tube with **distilled water** to marked fill line on tube. Add one bottle of ConductaClean[®] solution mix. Replace cap and firmly tighten.

IMPORTANT! Always add distilled water first before adding cleaning mix.



- 5.2 Remove tube from tool. Shake tube to mix solution until thoroughly dissolved.



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- 5.3 Slide tube containing solution into tool, lock retaining strap, and remove lid. Set desired cycle run time.



- 5.4 Insert conductor end into tube, turn power switch ON, and press CLEAN. After cycle has completed, remove conductor from tube, wipe with a shop cloth and inspect.

Repeat cycle as needed to thoroughly clean conductor end.



- 5.5 When thorough conductor cleaning has been completed, dispose of the dirty solution in a sanitary drain. Note: multiple cleaning cycles may be achieved depending upon degree of solution contamination from cleaning. (See ConductaClean® User's Guide).

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6.0 SAFETY

6.1



WARNING!

Read and understand all instructions in ConductaClean® User's Guide prior to operation.

Solution contains sodium hydroxide and sodium fluoride. Solution is harmful if swallowed, and may irritate eyes, skin and mucous membranes on contact.

Do not mix solution with ammonia or cleaning products as toxic gasses may result.

6.2 Wear safety equipment, including goggles/glasses and gloves.

6.3 Emergency Treatment:

EYES: Remove contacts, if wearing. Flush immediately with water for 10 minutes. If discomfort persists, obtain medical attention.

INHALATION: Remove from exposure, rest and keep warm. In severe cases obtain medical attention.

SKIN CONTACT: Wash off thoroughly with soap and water for 10 minutes. Remove affected clothing and wash before re-use. In severe cases, obtain medical attention.

INTERNAL: Wash out mouth thoroughly with water and drink two large glasses of water. Obtain medical attention.

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