

# ELECTRICAL CONNECTORS AND CORROSION

HEY!  
LOOK OVER  
THERE!!

YEAH,  
AIRCRAFT  
RIPE  
FOR THE  
TAKING!

WE'RE GONNA  
MAKE A MESS  
OUTTA THEM!

BRING IT ON  
YOU NASTY  
CREATURES!

YEAH,  
WE'VE GOT  
PM ON  
OUR SIDE!

**M**echanics, has it occurred to you that forcing multi-pin electrical connectors in place will only get you broken pins? In some cases, not only will you break the pins inside the connector, but you may have to repair or replace the cable, too, depending on the damage caused by forcing connectors in place. If you have trouble connecting connectors, you may find that dirt, rust or corrosion is the problem.



HERE  
ARE SOME  
CONNECTOR  
CLEANING AND  
CORROSION  
POINTERS TO  
KNOCK OUT  
CORROSION...

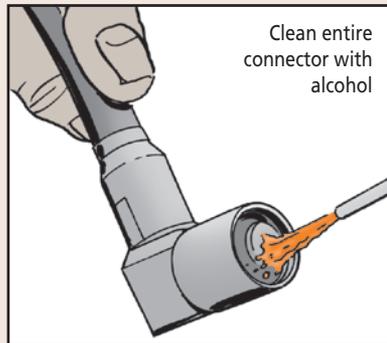
OOF!

- Remove corrosion on plated connector external surfaces by scrubbing with non-abrasive pad, NSN 7920-00-151-6120. For unplated connector external surfaces, use abrasive mats (A-A-58054 Type I, Grade A), NSN 5350-00-967-5089. On both types of connectors always use the least invasive method to prevent damage.
- Wipe away corrosion residue with a cheese cloth, NSN 8305-00-267-3015.



Wipe corrosion off connector with cheese cloth

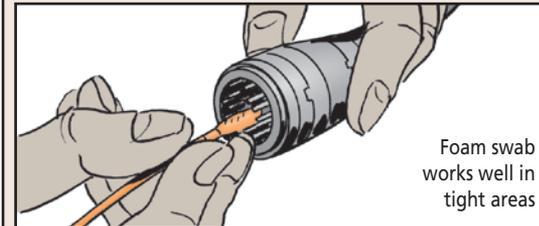
Then clean the connector inside and out with isopropyl alcohol (TT-I-735): NSN 6810-00-983-8551 brings a quart and NSN 6810-00-753-4993 an 8-oz can.



Clean entire connector with alcohol

- Remove the excess alcohol and residue with cheese cloth.

- For inside the connector and hard to reach areas between the pins, use a pipe cleaner, NSN 9920-00-292-9946. Gently clean pins and let the connector dry before installation.



Foam swab works well in tight areas

- To prevent future corrosion, lightly coat inside the connector with water-displacing corrosion preventive compound (CPC) (MIL-PRF-81309 Type 3, Class 2), NSN 8030-00-546-8637. Tilt the connector down while coating it to allow the excess to run off. One quick spray with minimal excess is the goal.



Tilt connector down to allow for excess run-off

Let the connector dry for a few seconds. Wipe off any excess with a clean, dry cheese cloth.

FOR MORE CORROSION PREVENTION INFORMATION, SEE CHAPTER 6; TREATMENT OF SPECIFIC AREAS, IN TM 1-1500-344-23-3 (MAR 05); CLEANING AND CORROSION CONTROL, AVIONICS AND ELECTRONICS.

