

Standard Operation Instruction

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Document # SOI-27-07

CLEANING PROCEDURE FOR TACLIGHT CONNECTORS

1.0 GENERAL CONSIDERATIONS

This document outlines the procedure for cleaning 4 and 12ch TACLIGHT plug and receptacle connectors.

2.0 SAFETY

- Refer to Isopropyl Alcohol MSDS Sheet

3.0 TOOLS AND CONSUMABLES

Description	Part Number
Foam Swabs	NA
29504/15 Alignment Sleeve Insertion/Extraction Tool	T02-0124
Canned Air	NA
Isopropyl Alcohol	NA
2.0mm Foam Swabs (or equivalent)	NA



4.0 PROCEDURE

1. If the connector is extremely dirty - Immerse the connector in a bucket of clean water and agitate to remove the dirt. Repeat for as long as necessary. Use clean hands to scrub the outside of the connector if dirt is still present. Inspect the connector interface and termini for any remaining dirt. Repeat until all dirt is removed.
2. Blow canned air onto the connector interface to remove any large debris. (Photo 1) Use the alignment sleeve insertion/extraction tool to remove the 29504/15 alignment sleeves. (Photo 2)

**PHOTO 1****PHOTO 2****SOI-27-07**Submitted by: E. ArtemieApproved by: M. DeCarloRev: A Date 1-13-10'SCN# 10-001**APPROVED FOR PUBLIC RELEASE**

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3. Take a foam swab and immerse in Isopropyl alcohol, then insert it into one of the socket cavities of the connector. Use a gentle rotating motion to clean the terminus endface. (Photo 3) Repeat for the other socket cavities. Replace the foam swabs often if they get dirty. Take the alcohol soaked swab and clean the pin termini. (Photo 4) Clean both the endface and the ferrule sides.



PHOTO 3



PHOTO 4

4. Use canned air to blow off any remaining alcohol left on the termini and the connector interface. (Photo 5) Take a dry foam swab and clean any alcohol residue off of all the termini endfaces. (Photo 6)



PHOTO 5



PHOTO 6

5. Use an alcohol soaked 2.0mm foam swab to clean the alignment sleeves. (Photo 7) Use canned air to blow off any remaining alcohol. (Photo 8)

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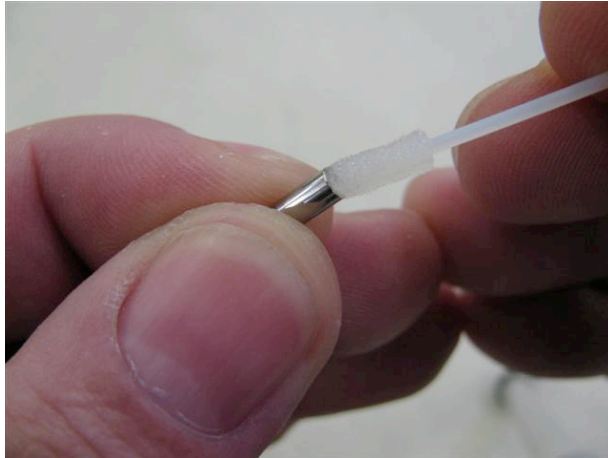


PHOTO 7

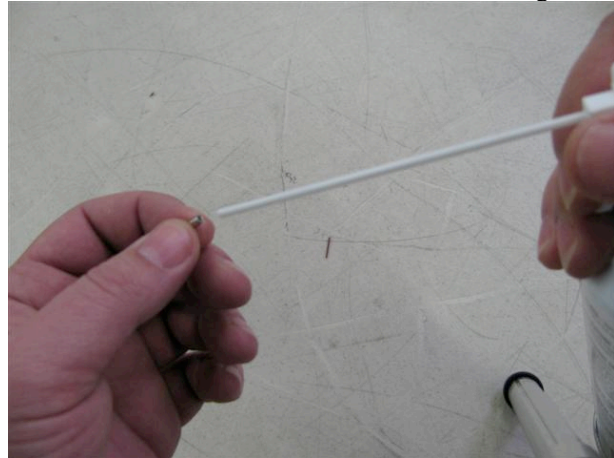


PHOTO 8

6. Use the alignment sleeve insertion/extraction tool to re-insert the 29504/15 alignment sleeves in the socket cavities. (Photo 9) Place the dustcap on the connector.



PHOTO 9

7. For operators equipped with a fiber optic probe microscope, inspect the termini enfaces for contamination prior to cleaning (Photo 10) and after cleaning (Photo 11).

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PHOTO 10

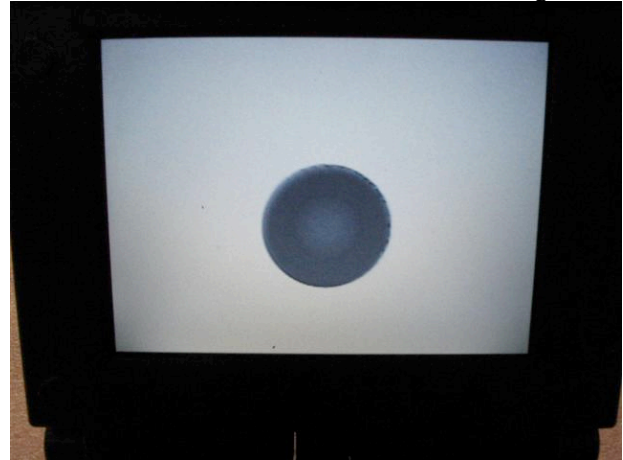


PHOTO 11

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