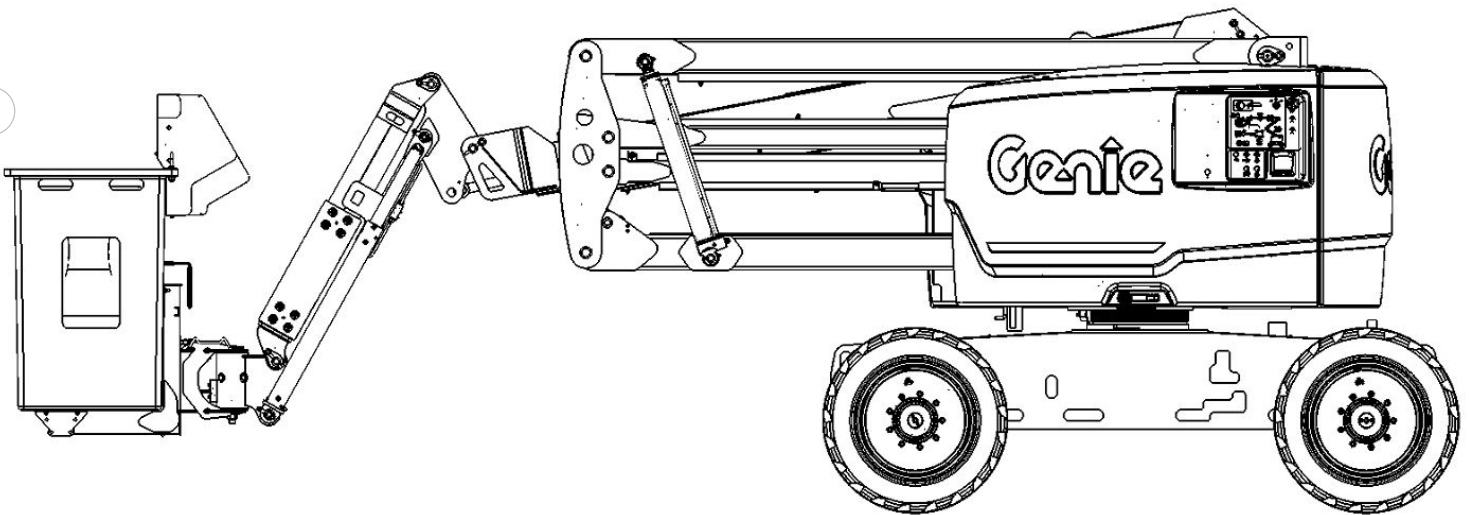




TECH TIPS

CLEANING THE FIBER OPTIC CONNECTIONS

NO. 165



SERVICE CALL:
CLEANING THE FIBER OPTIC
CONNECTIONS



MODEL(S):
TEREX UNITS WITH LOAD ALERT
GENIE Z45 SUB



TOOLS NEEDED:
FIBER OPTIC CLEANER -
P/N 625558

TEREX UTILITIES TECHNICAL SUPPORT TEAM

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DANGER

Failure to obey the instructions and safety rules in the appropriate Operator's Manual and Service Manual for your machine will result in death or serious injury.

Many of the hazards identified in the Operator's Manual are also safety hazards when maintenance and repair procedures are performed.

DO NOT PERFORM MAINTENANCE UNLESS:

- ✓ You are trained and qualified to perform maintenance on this machine.
- ✓ You read, understand and obey:
 - manufacturer's instructions and safety rules
 - employer's safety rules and worksite regulations
 - applicable governmental regulations
- ✓ You have the appropriate tools, lifting equipment and a suitable workshop.

The information contained in this Tech Tip is a supplement to the Service Manual. Consult the appropriate Service Manual of your machine for safety rules and hazards.



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INTRODUCTION

When servicing or replacing the fiber optic cable or a module, it is necessary to keep the connections clean. If the connections are dirty, the fiber optic signal will be affected resulting in bad communication between components.

When new components are shipped, they should have caps covering the connections. The caps will need to be removed and the terminals cleaned before installing.

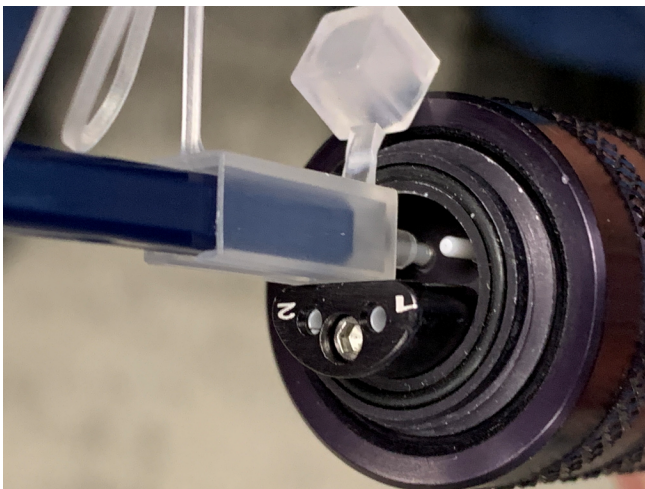
STEP 1

After the fiber optic cable or module is installed, remove the protective cap to expose the terminals.



STEP 2

Using fiber optic cleaner, align the tip of the cleaner with one of the terminals and push down until a click sound is heard, do this twice.



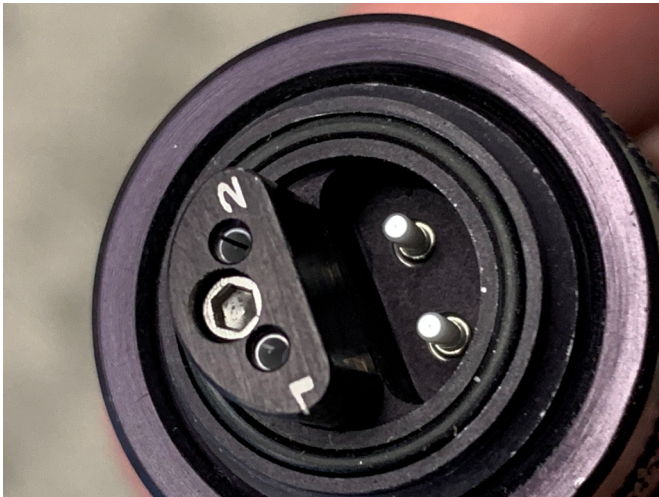
STEP 3

Repeat step 2 on the remaining 3 terminals until all are cleaned. Make sure the terminals do not contact anything.

STEP 4

The connections on the cable and modules have a half moon shape with 2 terminals in each side.

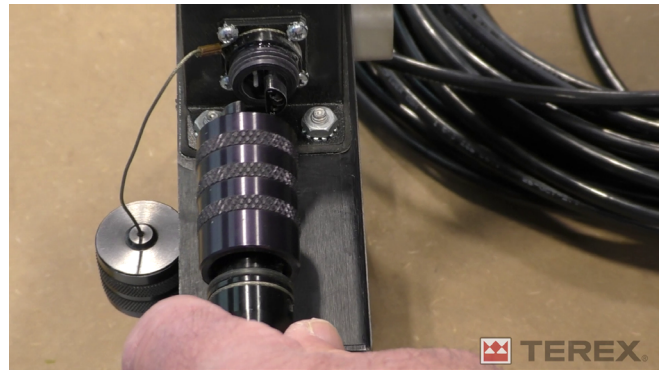
When installing, these will need to be aligned to properly fit together.



STEP 5

When all the terminals are cleaned on the cable and module, carefully line up the connections and push them together being careful not to break off the terminal.

Do not try to wiggle them together as this action might cause the terminal to break.



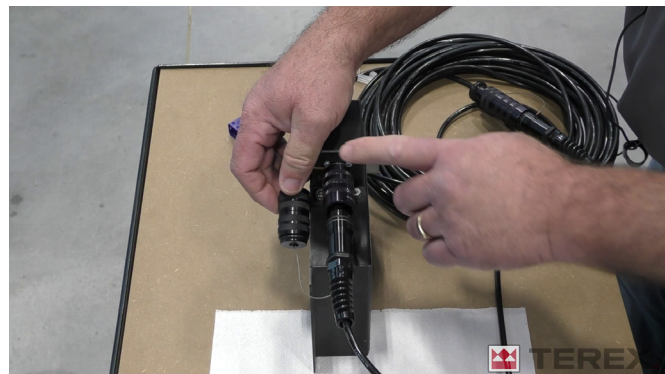
STEP 6

Once the connections are made, tighten the collar on the connection. Tighten it hand tight, do not use a pliers to tighten as it may cause damage to the connection.



STEP 7

To protect the caps from moving around and from dirt, screw the caps together.





FOR FURTHER ASSISTANCE,
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