

PHILLIPS

Qwik Tech Tips

FEATURED PRODUCT

PERMALITE™ XT 4.0" Anti-Theft Stop-Tail-Turn Light*

- Resistant to impact, corrosion, harsh chemicals and UV exposure
- Sealed and greased male 3 Pin AMP connector
- BOARDFREE® technology with 8 diodes
- Molded anti-theft ring is designed to install in a 4.5" mounting hole with a trailer plate thickness of 3/16" or 1/4"

*Manufactured by Innotec for exclusive distribution by Phillips Industries – A California Corporation



VISIT US ON THE WEB
AT

[www.
phillips
qwiktechtips
.com](http://www.phillipsqwiktechtips.com)

TO BE ADDED TO OUR
MAILING LIST AND
FOR ALL
PAST ISSUES

Volume 5 Issue 7

July 2015

Sealed AMP Style Lighting Connections

A key element to keeping your lights functional is keeping dirt and moisture away from the electrical connection.

There are many types of different connections for lighting but sealed AMP style connections provide the highest level of reliability compared to older .180 bullet terminals, which are unsealed and require periodic greasing, PL-3, or other types of lighting connections on the market.



.180 Male Bullet Terminations

As older style incandescent lights are replaced it may be necessary to change the connection type to AMP style connections which are typically used for LED lighting.

An AMP style connection has features to seal the connection which include:

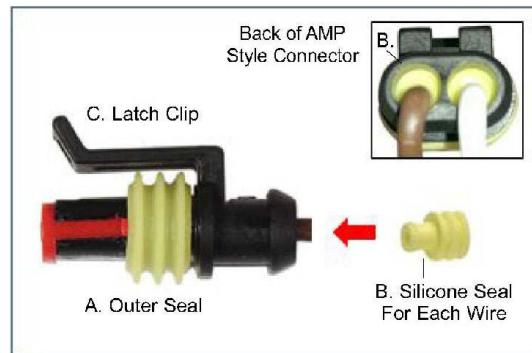
- A. Ribbed silicone outer seal for connector
- B. Ribbed individual silicone seals for each wire; designed to have 1 wire in each cavity
- C. Latch clip to lock connector securely in place to keep a tight connection



AMP Style Connection Maintenance Tips

There is no specific maintenance required for optimum life other than:

- If disconnected, keep clean and dry to avoid contamination
- If wires are damaged, the wires should be properly repaired and sealed. The AMP style connector is designed to have one wire in each cavity with a silicone ribbed cable seal to maintain sealing integrity.
- No grease is required, although many lights may have a small amount of grease on the male terminals. This helps protect lamp terminals from moisture prior to installation to the AMP connector.



AMP Style Connections

Have technical questions? Get the latest tips from a skilled Phillips engineer!
Call: 888-959-0995 OR
e-mail: techtips@phillipsind.com

- A key element to keeping your lights functional is keeping dirt and moisture away from the electrical connection.
- An AMP style connection has features to seal the connection and keep dirt and moisture out.
- To help maintain your AMP style connections keep them clean and dry when disconnected, and properly repair and seal wires if they are damaged.