

**FEATURED PRODUCT**

**STA-DRY® QCSM2™ Assemblies**

- A tight STA-DRY® seal locks out road contaminants, completely stopping the devastating effects of corrosion
- Plugs directly into the tractor and is rarely removed, further reducing the possibility of contaminants entering the electrical system
- Features the revolutionary QCP™ (Quick-Change Plug), with QCP™ cartridge which is field replaceable in under two minutes!
- Works with the QCS® or QCS2® boot, replaces the socket
- Built-in theft deterrent



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

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

**Plug & Socket Preventive Maintenance**

Plugs and sockets are the path for electrical power to get to the trailer and need proper maintenance. Many states have increased usage of magnesium and calcium chlorides as road de-icers. These chemicals are found to be highly corrosive to brass and copper, which are the base materials for the contact pins used in plugs and sockets. To keep your connections in top condition and to slow the process of corrosion, Phillips recommends the following preventive maintenance steps for the 7-way electrical connections:

Phillips suggests cleaning the 7-way connections every 3-6 months or more often if the vehicle is excessively exposed to magnesium or calcium chlorides.

1. Clean plug and socket connectors with a socket brush and water (NO SOAP).



2. Apply di-electric grease to all pins on both the plugs and sockets to prevent corrosion by keeping moisture out and increasing the flow of energy through the connection.



3. PLUGS – To safeguard against uneven wear and pin degradation, every six months, rotate the electrical assembly plug from tractor to trailer side, or replace the plug inserts at the front of the plug.



4. SOCKETS – Use a foam socket seal for added protection against corrosion creeping into the trailer harness via the 7-way connection.



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

- Clean plugs and sockets every 3-6 months or more often if the vehicle is excessively exposed to magnesium or calcium chlorides.
- Use a plug and socket brush with water (NO SOAP).
- Apply di-electric grease to all pins after each cleaning.

*\*Phillips Industries, to the best of our knowledge, has compiled the information contained herein from what it believes are authoritative sources. This information is not to be taken as representation for which Phillips Industries assumes legal responsibility.*