

PLUG PREVENTIVE MAINTENANCE



Many states have increased the usage of magnesium and calcium chlorides as a road de-icer. These chemicals are found to be highly corrosive to brass and copper, which is the base material for the contact pins used in plugs.

To keep your products in top condition and to slow the process of corrosion, Phillips recommends the following maintenance tips.

1 It is recommended that the 7-way plug interface be cleaned and greased at every preventive maintenance interval. Phillips interval suggestion is 3-6 months or more often if the vehicle is exposed to magnesium or calcium chloride in cold weather areas.

2 Clean connectors with a plug and socket cleaning brush (p/n 4-121) with water. (no soap). (FIG. 2)



FIG. 1

3 Apply dielectric grease to every plug. This will help combat against corrosion and increase the flow of energy through the connection. (FIG. 1)

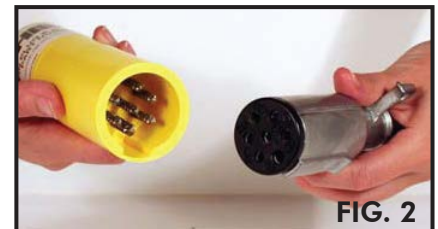


FIG. 2

4 Wash electrical cables, plugs and sockets frequently in winter weather with water. Do not power wash as water can be forced into tight areas and cannot escape, leading to corrosion.

5 Reverse the plug coupling on standard 12" lead coiled electrical cables to even out play degradation on the tractor side (Not be possible on long lead tractor side coiled cables, this will reduce overall working length).

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