



Lubecore Technical Announcement

Proper Installation of Deutsch DTM Plug

Over the recent weeks, Lubecore has had some customers voice a concern regarding the Deutsch DTM plug on low-level sensors. As a result, we want to take the opportunity to highlight installation best practices. In some cases when the wire is tied up improperly it has led to water leaking past the seal.

When installing any Deutsch Connections ensure that they are mounted horizontally. This is especially important in the case of the low-level connection.

Do not use standard (Silicone) dielectric grease to prevent corrosion in the connection. If used, the silicone will soak into the silicone of the Deutsch seal causing seal swelling. Lubecore recommends the use of **PST-576 Polycon dielectric grease**. This is non-silicone based and is suitable for use with Deutsch connections.

Primary parts affected:

BOM Part Number	Individual Part Number	Description
54.690		Kit, 3 Pin Deutsch Plug (DTM)
	13.231	3 Pin Deutsch Plug (DTM)
	13.232	3 Pin Deutsch Wedge for Plug (DTM)
	13.217	Socket Contact, Deutsch (DTM)

These part numbers can be found in the following Lubecore parts:

Part Number	Description
12.045	Sensor, Low-Level Modular – 4 Kg & 6 Kg Top Spring
12.062	Sensor, Low-Level Pneumatic – 4 Kg & 6Kg Top Spring
12.066	Sensor, Low-Level Modular – 2 Kg Top Spring



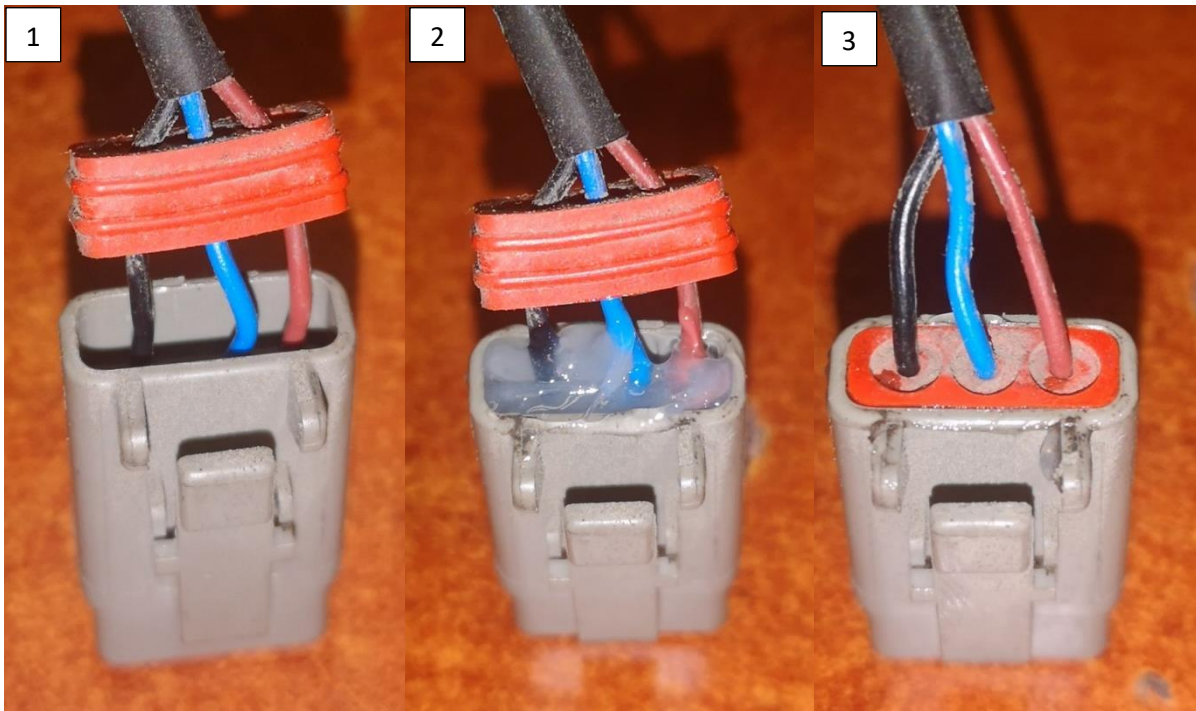
Mounting connectors horizontally allows proper water drainage.



Recommended preventative procedure:

1. Remove rear silicone seal using a small flat head screwdriver.
2. Fill cavity under the seal with **PST-576 Polycon dielectric grease**.
3. Slide seal down the wires and make sure the seal is fully pushed into the housing.

When mounting the connector make sure the low-level wires are not being pulled to the side. This prevents a gap and ensures proper sealing.



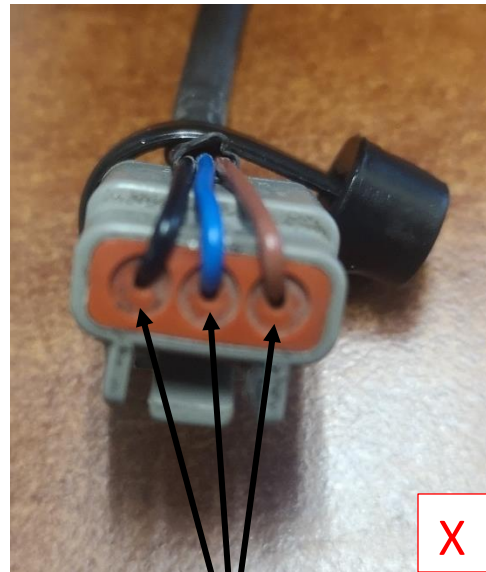
If you have any questions regarding this process or where to purchase the PST-576 Dielectric Grease, contact Lubecore.

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Do not tie wires like this.

When the wires are tied up in this manner the seal is compromised and may allow water ingress.

An example of how the connectors may be tied together under the pump is shown below. The solenoid under the pump is used as the solid mounting surface onto which the connectors are tied. Note the horizontal orientation of the connectors.

