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Underwater connector maintenance

Inspection

Routinely check for corrosion and for signs of dirt or debris. The pins on the connector should be clean and shiny. Check all the connectors for signs of damage like cracks or broken pieces. Replace the connector if there is any damage.

Cleaning Instructions

Remove any accumulated dirt, biofouling, sand or mud on or inside the connector using a spray based contact cleaner like isopropyl alcohol. Clean the pins with isopropyl alcohol using a soft applicator like a Q-Tip.

Note: After cleaning the connector new grease must be applied again prior to mating.

Greasing Instructions

All connectors must be greased with silicone grease before every mating. Acceptable silicone greases are: Dow DC-4, Molykote 44 Medium, Dow DC-111, or the RBR supplied Specialty Silicone Compound.

Precaution: It is not advisable to use silicone spray from a can or WD-40 as these may contain solvents harmful to the connectors. Silicone spray may be used from a pump bottle provided it does not contain solvents harmful to rubber (alcohols, ethers, esters, glycols or ketones).

Apply a layer of grease corresponding to approximately 1/3 of socket depth to the female connector.

Ensure that all the sockets are completely sealed, and a transparent layer of grease is visible on the face of the connector.

After greasing, mate the male and female connectors, ensuring the trapped air is released and remove any excess grease from the joint.

Prior to deployment clean and grease all of the connectors.

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RBR supplied o-ring and connector grease

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Applying grease

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Mating connector

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Excess grease removed

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Locking sleeve attached

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