



WorkHorse Connector

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Abstract

Damage to the WorkHorse end-cap connector can occur if the cable is not disconnected properly.

Instrument/Program Affected

WorkHorse Monitor and Sentinel, Rio Grande, Long Ranger, and Navigator

Description

When disconnecting the WorkHorse I/O cable, **do not** apply any upward force on the connector as it is being pulled off. Applying an upward angle as the cable is disconnected puts stress on the end-cap connector. This may cause several serious problems: a) The end-cap connector or connector pins can crack. b) The O-ring on the bottom of the end-cap connector can be damaged. c) The molded urethane on the end-cap connector may separate from the brass insert. **If the end-cap connector is damaged in any of these ways, your ADCP will flood.**

The cable should be disconnected with a straight outward motion only. Use the following procedure to disconnect the cable.

1. Release the retaining strap by pulling it over the connector.
2. Grasp the cable close to the end-cap. Your thumb should rest on top of the connector. **Do not try to fit your hand under the cable as it passes over the end-cap.** This is what causes the upward force!
3. Pull the cable straight out away from the end-cap with a gentle rocking motion. **Do not** apply any upward force on the connector as it is being disconnected.

Solution/Action

Short-Term Solution

Follow the above procedure to disconnect the cable.

Long-Term Solution

The WorkHorse documentation will be updated.