



CANRIG DRILLING TECHNOLOGY LTD

PRODUCT BULLETIN NUMBER: 42

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DATE: May 13, 1997

**SUBJECT:** Top Drive Frame to Housing Connection

**SERIAL NUMBERS:** All

**DISCUSSION:** After periods of rough drilling or jarring the bolts between the top drive housing casting and the frame must be checked. Bolts could otherwise fail resulting in a broken portion of bolt falling free.

**RECOMMENDATION:**

1. Inspect the bolts between the main housing and frame on a regular basis, especially after periods of rough drilling or jarring.
2. Check to be sure that there is no gap forming between the housing and frame. A gap may indicate loose or broken bolts.
3. Wherever possible check the bolts for torque.
4. On some units the bolts are only partially visible on the upper housing where the links interfere and cannot be checked for torque. Pry on the heads with a screw driver to ensure the bolts are not broken.
5. If broken bolts are detected a more thorough examination is required. This will require removal of the upper links. For top drives with a pin style handler lock it will be necessary to remove the pin.

Scheduled maintenance should include inspection/torquing of the housing to frame bolts semi-annually. This would best be accomplished on a rig move when the upper links can be easily removed.

**INFORMATION:**

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