

TOTALFLOW

**Technical Bulletin 155** 

# NGC Controller Module Interface Gasket Torque Specification Notice

Totalflow Technical Bulletin Version 1.0, Revision AC (8 October 2007)

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### Purpose

To describe a procedure to verify the proper gasket sealing interface between the NGC-82XX's analytical module and the feed through assembly. Proper sealing will prevent possible carrier and calibration gas leaks.

### Description

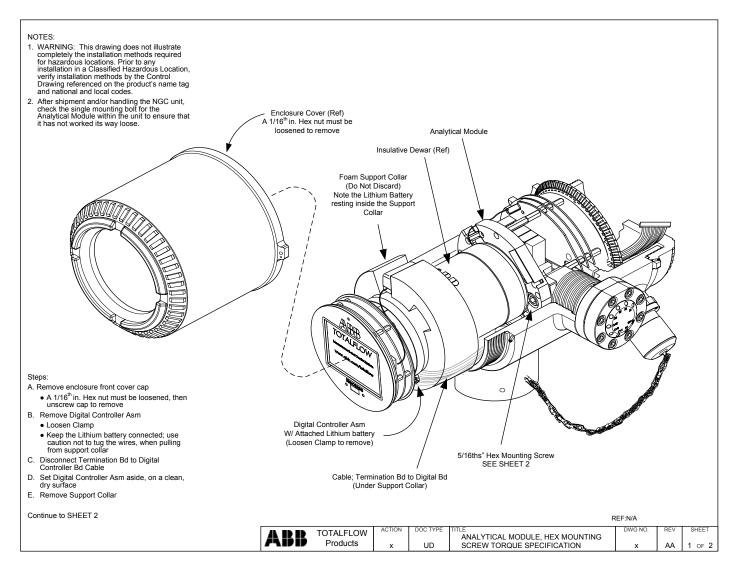
It has come to our attention that a small number of NGC-8206 gas chromatographs were found to have a small leak between the analytical module and feed through assembly. These leaks were due to the 5/16" hex head screw becoming loose during shipment.

ABB recommends this screw be tightened to either 10 ft/lbs or hand tight using a 5/16" hex head driver prior to startup or the next time a site visit is scheduled.

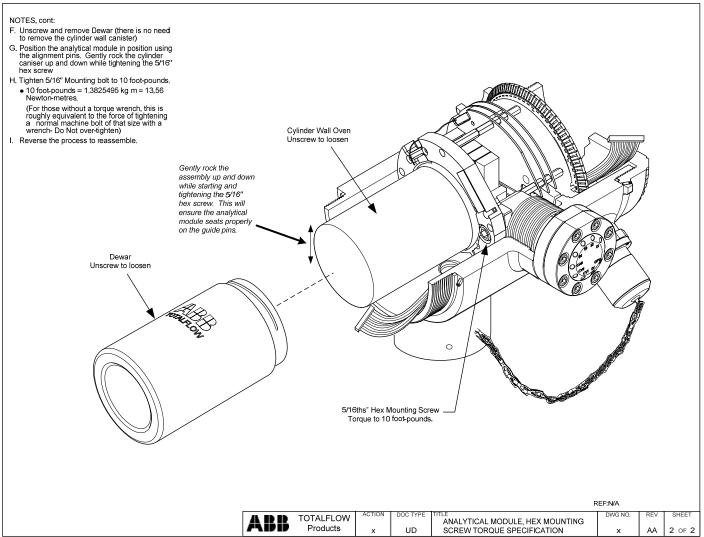
#### Step-by-Step Procedure for tightening the hex head screw:

- 1. Place unit in hold mode
- 2. Collect all historical data
- 3. Save off configuration data using PCCU's save/restore utility (if not already backed up)
- 4. Remove power
- 5. Shut off stream, carrier and calibration valves to NGC feed through manifold
- 6. Continue by following the steps outlined in the two drawings below









**Note1:** If a torque wrench is not available then using the supplied hex head driver contained in the optional NGC tool kit (or customer supplied 5/16" hex wrench), take both hands and snug the hex head screw.

**Note2:** As noted in the drawing above: Gently rock the assembly up and down while starting and tightening the 5/16" hex screw. This will ensure the analytical module seats properly on the guide pins.

## Conclusion

The steps provided above are intended to verify a proper seal between the analytical module and feed through manifold. These steps will ensure that a leak will not develop and potentially result in a premature carrier or calibration bottle replacement. If you have purchased a portable NGC chromatograph It may be necessary to periodically torque the 5/16" hex head screw depending on the vibration levels encountered on any particular unit. If you have technical questions concerning this bulletin contact our service organization at (800) 442-3097 option #2.

