

GTI SERVICE NOTE

GTI 100

January, 2007

Vibration Transmitter

The GTI Bi-Fuel® vibration sensor (P/N 691205) serves as a critical component on some Bi-Fuel® installations, providing analog signals to the GPN control panel that are compared against preset threshold levels. To guard against unstable operating conditions, the GPN panel will shut off the supply of natural gas if these vibration thresholds are exceeded.

If the device is not properly installed and maintained, permanent damage to the transmitter can result. The sensor should NEVER be tightened by applying torque to the sensor body. Pipe wrenches and pliers are capable of applying extreme forces to the body of the device and can damage sensitive electronic components. The lower portion of the body of the sensor is equipped with wrench flats. Torque should only be applied using a properly sized wrench which is properly seated on the flats. Any evidence of improper installation (wrench marks) on the barrel portion of the shell will result in denial of warranty on any returned parts.

Permanent damage can result from any direct blow to the transmitter. Tests of the transmitter's ability to register a momentary change in vibrations should only be conducted using a rubber mallet to strike a nearby surface.

