TL-IT INLINE TORQUE LIMITERS

RECALIBRATION PROCEDURE

Before one attempts to calibrate a TL-IT (or any torque tool), a torque standard, (commonly known as a torque tester), must be available. This torque standard must be accurate and have sufficient resolution of scale for the appropriate range, If you are involved in an operation where maintenance of quality control procedures are required, the torque standard used must be kept in routine calibration with weight and length standards traceable to the National Institute of Standards Technology.

THE TORQUING MOTION OF THE IT SHOULD BE SMOOTH AND EVEN IN BOTH CALIBRATION AND USE TO ASSURE ACCURATE AND CONSISTENT PERFORMANCE.

To change the preset torque value of a TL-IT torque limiter.

1) Remove the Vinyl Sleeve

2) Loosen 5/16" allen calibration lock set screw from the base of the tool.

3) Using a Face Type Spanner Tool with 1-5/8" diameter and 1/4" pins; tighten(clockwise) adjusting screw to increase set torque value. Loosen (counter-clockwise) adjusting screw to decrease set torque value.

4) After sufficient adjusting and testing against standards the desired torque will have been set into the tool . Tighten calibration lock, recheck torque value to verify that the setting did not change, apply locktite to the lock screw and re-apply the vinyl sleeve

5) If the tool varies from its set value, it should be returned to the factory for service.

THE TL-IT -3 WAS DESIGNED TO OPERATE IN THE 0,33 -11,3 Nm RANGE

THE TL-IT -4 WAS DESIGNED TO OPERATE IN THE 6,77-34 Nm RANGE

THE TL-IT -5 WAS DESIGNED TO OPERATE IN THE 34-170 Nm RANGE

THE TL-IT -6 WAS DESIGNED TO OPERATE IN THE 135-339 Nm RANGE

Operation out of this range is possible but not guaranteed.

KEEP THE IT IN A CLEAN ENVIRONMENT, DIRT CAN WORK ITS WAY INTO HE TOOL REQUIRING MORE FREQUENT FACTORY SERVICE.