MEVOTECH

MEVOTECH INSIDER

Service Tips and Best Practices

Proper Torque Wrench Use and Maintenance

Brand	All	Product	All	Date	June 2020
Part Number(s)	Various				

Designed to impart a specific force to a fastener, torque wrenches are specialty precision and accurate tools. It is of critical importance to ensure original manufacturer torque specifications and procedures are followed during final assembly. Failure to adhere to these specifications and or procedures may compromise the integrity of the threaded joint.

Before using a torque wrench, ensure you refer to the manufacturers instructions. Here are some additional tips and considerations:

- A torque wrench should only be used to apply a final assembly torque value or as part of a final assembly sequence. Never use a torque wrench as the primary method to loosen or tighten fasteners.
- Consult and verify the original manufacturer's service manual with regards to: proper torque value, torque sequence, direction, applicability of lubricant or thread lock on the fastener and or torque "engage/release" cycles.
- Select the appropriate torque wrench for the size of the fastener and indicated torque value. Do not exceed the indicated range of a torque wrench. This may damage the fastener and or torque wrench.
- Use the torque wrench in a consistent and controlled manner. Avoid sudden, 'jerking' inconsistent pulls/turns of the wrench.
- Once the torque wrench indicates the preset value has been reached (clicks, beeps or lights up), do not continue to pull/turn.



Figure 1:
Torque wrench

- Do not drop or subject a torque wrench to sharp impacts. This can cause non-visible damage to internal components and or misalign mechanisms. A dropped torque wrench may require recalibration.
- Frequently inspect torque wrench for excessive wear and or damage. Additionally, inspect the associated sockets for excessive wear and or damage. Replace components when excessive wear and or damage are noted.
- After use, all dirt, grime and fluids should be removed from the surface of the torque wrench. Always store a torque wrench in the associated protective hard case in a dry and clean environment.
- Before returning a 'click' type wrench to storage, ensure it is wound down back to the lowest setting on the scale.
- Do not modify or otherwise alter a torque wrench. Do not use accessories or extensions unless permitted by the torque wrench manufacturer.
- A torque wrench should be inspected and recalibrated after ~5000 cycles of use or as otherwise indicated. Recalibrations should be performed by the torque wrench manufacturer or a third party service according to the benchmarks set out under ISO 6789.

WE SUPPORT
ASE CERTIFICATION

DISCLAIMER: The information in this communication is intended for use only by skilled technicians who have the proper tools, equipment and training to correctly and safely maintain vehicles. Refer to original manufacturers service manual for proper torque specifications and removal/installation procedures. All content in the publication is provided as-is and without warranty. All care has been taken to ensure the accuracy of the information presented. The publisher assumes no responsibility or liability for any loss or damage, direct, indirect or consequential, arising from the use of the information contained herein.