

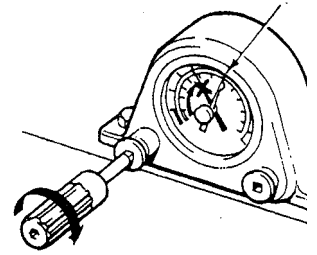
TLS Screwdriver Operating Instructions

Rev 3.0 (May 16, 2011)

Calibrating Torque Screwdrivers

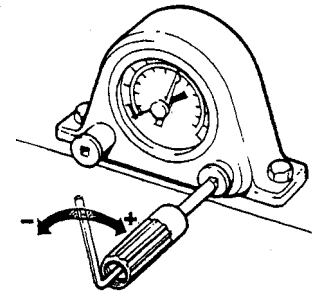
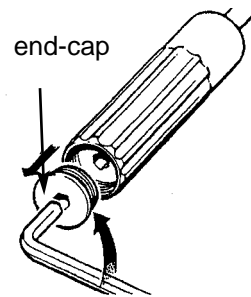
To calibrate torque screwdrivers either use a torque tester or torque sensor within the range of the torque screwdriver. For torque screwdrivers calibrate torque in "Peak" mode with a torque tester or torque sensor. Make sure to apply the torque slowly and smoothly.

1. Select a torque tester or torque sensor that covers the torque range of the screwdriver.
Connect screwdriver to the torque tester or torque sensor using the appropriate adapters as needed.
2. Apply torque clockwise slowly until screwdriver 'slips' and note reading.
3. Adjust screwdriver to required torque setting as described below.
4. Test and repeat adjustment as necessary to obtain desired value.
5. Recalibrate torque screwdriver at prescribed intervals.



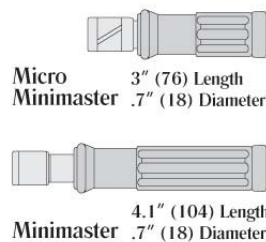
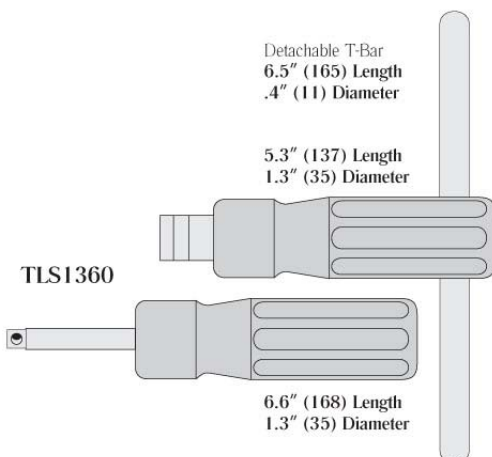
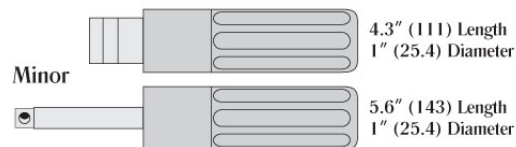
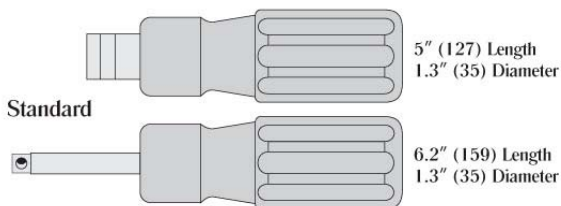
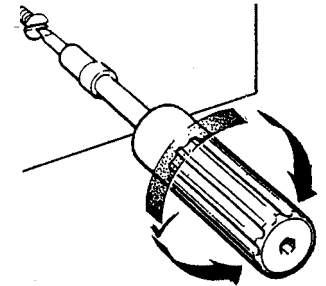
Adjusting Torque Setting

1. Remove end cap from screwdriver and insert hex key.
2. Turn hex key clockwise to increase torque and counter clockwise to decrease torque. Do not adjust torque above or below the recommended torque ranges. Tighten end-cap back on.



Applying Torque

1. Tighten nut or bolt by applying steady twists. Screwdriver should be kept at 90 degrees to axis of bolt during tightening. When pre-set torque is reached, the screwdriver will 'slip.'
2. The screwdriver will automatically reset itself for the next application.
3. With its unique cam-over design, it's impossible to over tighten beyond the preset load.



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