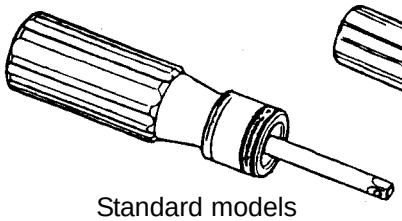
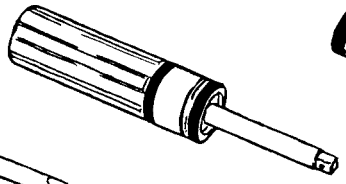
TLS (Internally Preset Screwdriver) Operating Instructions

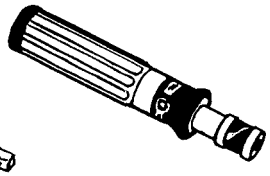
Rev 1.0



Standard models
(TLS 0406)



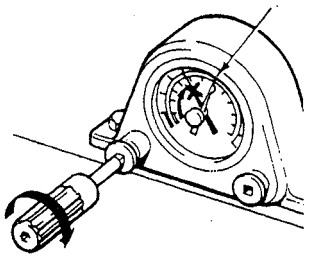
Minor models
(TLS 0135)



Minimaster models
(TLS 0022)

Calibrating Torque Screwdrivers

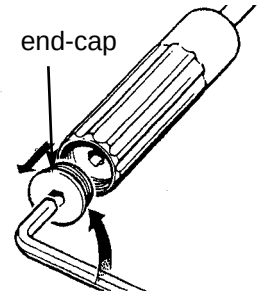
To calibrate torque screwdrivers either use a torque analyzer or torque transducer within the range of the torque screwdriver. For torque screwdrivers calibrate torque in "Peak" mode with an analyzer or transducer. Make sure to apply the torque slowly and smoothly.

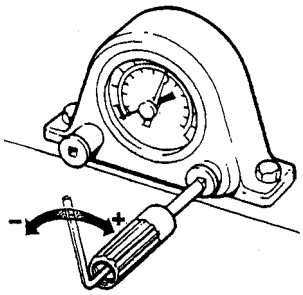


1. Select a torque analyzer or transducer that covers the torque range of the TLS screwdriver. Connect screwdriver to the torque analyzer or transducer using the appropriate adapters as needed.
2. Apply torque clockwise slowly until screwdriver 'slips' and note reading.
3. Adjust screwdriver to required 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

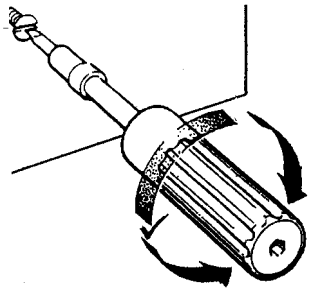
1. Remove end cap from screwdriver and insert hex key.
2. Turn hex key clockwise to increase torque and counter clockwise to decrease torque. Do not adjust torque above or below the recommended torque ranges. Tighten end-cap back on.





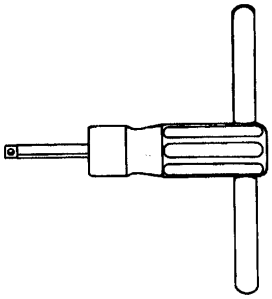
Applying Torque

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.



TLS 1360 model

1. The TLS 1360 (color black) is supplied with T-Bar. Loosen end-cap with hex key. Slip T-Bar through the hole and then tighten end-cap back on.



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