

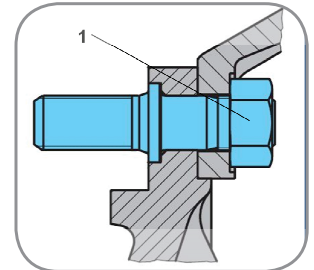
Operator's Manual – *Interim Update* – Torque Settings

The BPW Operators Manual is planned to undergo an update later on this year. In the mean time we have decided to highlight some of the updates in a series of Tech Topics.

Tightening Torques

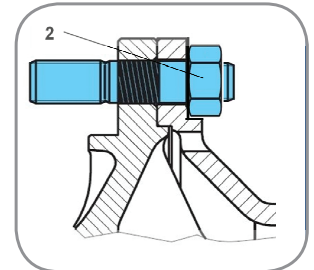
Backnut – Brake Drum to Hub (1)

⊙ Tighten to **M = 435Nm** (420Nm - 450Nm) - (310 ft/lbs - 330 ft/lbs)



Backnut – Disc Rotor to Hub (2)

⊙ Tighten to **M = 435Nm** (420Nm - 450Nm) - (310 ft/lbs - 330 ft/lbs)



Caliper Mounting Bolts – BPW Caliper (TSB) (3)

If the caliper is removed for any reason the cap screws that attach the caliper to the axle beam must be replaced. Never attempt to re-use the old cap screws (3).

⊙ The correct tightening torques for the new cap screws are:

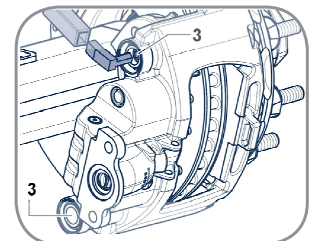
Tighten the cap screws to **150Nm** and then tighten through **180° rotation**

Or alternatively

Tighten to **M = 260Nm** (250Nm - 270Nm) - (185 ft/lbs - 200 ft/lbs)

⊙ TSB Brake Chamber Mounting Nuts:

Tighten to **M = 180Nm** (180Nm - 210Nm) - (132 ft/lbs - 155 ft/lbs)



Caliper Mounting Bolts – Knorr Bremse (SB)

The correct tightening torques for the screw connections are:

Axial Screw Connections (4)

M16 x 1.5 - tighten to **M = 300Nm** (280Nm - 330Nm) - (210 ft/lbs - 245 ft/lbs)

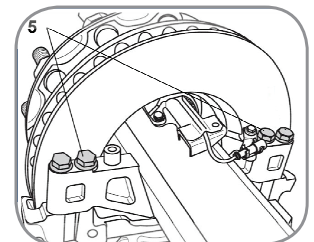
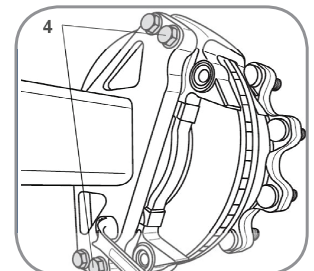
M18 x 1.5 - tighten to **M = 420Nm** (400Nm - 460Nm) - (295 ft/lbs - 340 ft/lbs)

Tangential Screw Connections (5)

M16 x 1.5 - tighten to **M = 320Nm** (300Nm - 350Nm) - (220 ft/lbs - 260 ft/lbs)

⊙ SB Brake Chamber Mounting Nuts:

Tighten to **M = 200Nm** (185Nm - 220Nm) - (136 ft/lbs - 162 ft/lbs)



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