

Tightening torque

General tightening torque

Note! Screws coated with a locking fluid or self locking nuts must be replaced with new when reinstalled.

See the table below to find the tightening torques for components not included in the summary.

Nuts and screws which are not self locking can be reused provided that they are in good condition.

Applies to screwed joint with strength class 8.8.	
Thread	Tightening torque (Nm)
M5	5
M6	10
M7	17
M8	24
M10	50
M12	80
M14	130

Summary of specific components and tightening torques

Note! Screws coated with locking fluid or sealant must be replaced with new when reinstalled.

Always use **new screws and nuts** when angle tightening. Any exceptions to this rule will be indicated in the method.

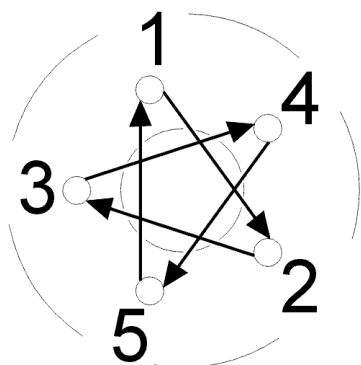
Angle-tightening in tight spaces. See [Screwed joint, torque/angle tightening](#) .

Brake caliper in wheel spindle not XC90	100 Nm
Brake caliper in steel wheel spindle only XC90 (M14)	1st step, 105 Nm 2nd stage, 60°
Bleed nipple in brake caliper (M10)	9 Nm
Sliding pin in brake caliper (M9)	27.5 Nm
Brake shield front in wheel spindle steel up to and including w918 and XC90 (M8)	20 Nm
Brake shield front in wheel spindle, aluminum not XC90 (M8)	15 Nm
Brake caliper Rear in wheel bearing housing not XC90 (M10)	60 Nm
Brake caliper rear in wheel bearing housing XC90 (M10)	1st step, 35 Nm 2nd stage, 60°

Brake shield rear in wheel bearing housing (M6)	12 Nm
Brake pipe in ABS modulator (M12)	14 Nm
Brake pipe in master cylinder (M12)	14 Nm
Brake pipe in brake hose (M10)	14 Nm
Brake hose in brake caliper (M10)	18 Nm
Brake pipe in joint fitting (M10)	14 Nm
Brake fluid reservoir in master cylinder (M5)	3.5 Nm
Bracket, ABS in hydraulic unit (M6)	8 Nm
Bracket ABS cable in shock absorber front (M5)	6 Nm
Bracket brake cable in sub-frame rear (M8)	20 Nm
Screw control module (BCM)	1.8 Nm
Mounting Brake pedal LHD automatic (M10)	30 Nm
Mounting Brake pedal RHD manual (M10)	35 Nm
Mounting Brake pedal LHD manual (M10)	40 Nm
Vacuum pump bracket in front cross member, only XC90 (M6)	8 Nm
Heat deflector plate in activation unit, RHD only (M8)	10 Nm

Installing wheels

Special tools: [951 2835](#)



Installing wheels

Ensure that the brake disc and wheel rim mating surfaces are clean. Grease the hub centre location dowel for the rim. Use installation paste **1161397-3**.

Install the wheel studs lightly. Then tighten crosswise. Tighten to **140 Nm**. Use torque socket [951 2835-1](#) if an impact spanner is being used.

Crosswise tightening and torque tightening is important to prevent stresses in the brake disc.

Note! The torque socket is designed for use with a standard, pneumatic impact nut runner providing a torque of 250–350 Nm.

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M14	130

Summary of tightening torques for specific components

Note! Screws coated with locking fluid or sealant must be replaced with new when reinstalled.

Always use **new screws and nuts** when angle tightening. Any exceptions to this rule will be indicated in the method.

Angle-tightening in tight spaces. See [Screwed joint, torque/angle tightening](#) .

Rear wheel hub in wheel bearing housing (M12)	Step 1: 20 Nm Step 2: 45 Nm Step 3: Angle-tighten 60°
Drive shaft in front wheel hub not XC90 (M10)	Step 1: 35 Nm Step 2: Angle-tighten 90°
Drive shaft in front wheel hub, only XC90 (M10)	Step 1: 35 Nm Step 2: Angle-tighten 120°
Tire pressure sensor in rim	10 Nm
Front wheel hub in steering arm (M12)	Step 1: 20 Nm Step 2: 45 Nm Step 3: Angle-tighten 60°
Wheel in hub (M14)	Step 1: 20 Nm Step 2: 140 Nm

Anti-roll bar link in shock absorber front (M12)	90 Nm
Anti-roll bar link in anti-roll bar front (M10)	60 Nm
Shock absorber bearing rear upper in shock absorber (M12)	60 Nm
Shock absorber bearing front upper in shock absorber (M14)	70 Nm
Shock absorber in steering arm (M14)	Step 1: 105 Nm Step 2: Angle-tighten 75°