



Haynes
shows you how

BMW 3-Series 320i & 320xi (12-14), 325i, 325xi, 330i & 330xi (06) & 328i & 328xi (07-14) Haynes Online Manual

Specifications

General

Expansion tank cap opening pressure	29 psi \pm 2.9 psi (1.4 \pm 0.2 bar)
Air conditioning refrigerant capacity*	21.2 ounces (590 \pm 10g)

* Refer to the underhood decal

Thermostat

Opening temperatures	Not available
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Ft-lbs (unless otherwise indicated) Nm

Torque specifications

Note:

One foot-pound (ft-lb) of torque is equivalent to 12 inch-pounds (in-lbs) of torque. Torque values below approximately 15 foot-pounds are expressed in inch-pounds, because most foot-pound torque wrenches are not accurate at these smaller values.

Air conditioning compressor mounting bolts

2.0L engines

M8 bolts	168 in-lbs	19
M10 bolts	28	38

3.0L engines

M8 x 52 mm		
Stage 1	84 in-lbs	10
Stage 2	Tighten an additional 90 degrees	
M8 x 87 mm		

Stage 1	84 in-lbs	10
Stage 2	Tighten an additional 180 degrees	
Coolant pump		
2.0L engines		
Coolant pump-to-front axle support	168 in-lbs	19
Coolant pump-to-crankcase	16.5	22
3.0L engines		
Stage 1	84 in-lbs	10
Stage 2	Tighten an additional 90 degrees	
Coolant temperature sensor	120 in-lbs	13
Cooling fan viscous coupling-to-coolant pump (left-hand thread)	30	40
Instrument panel crossmember		
End nuts	15	21
To steering column bracket	168 in-lbs	19
Refrigerant line unions	15	20
Refrigerant line bolts		
M6 bolts	71 in-lbs	8
M8 bolts	159 in-lbs	18
Thermostat cover bolts	80 in-lbs	9
Thermostat housing	84 in-lbs	10

* Do not re-use

Caution:

All aluminum fasteners must be replaced with new ones. If in doubt, try to attract the bolt/stud with a magnet. Aluminum is not magnetic.