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

Specifications

Alternator

Regulated voltage	13.5 to 14.2 volts (at 1500 rpm engine speed with no electrical equipment switched on)
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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.

Alternator mounting nut/bolts

2.0L engine	28	38
3.0L engine*		
Step 1	84 in-lbs	10
Step 2	Tighten an additional 180-degrees	

Alternator pulley retaining bolt

Valeo alternator	55	75
Bosch alternator	48	65

Starter motor nut/bolts

2.0L engine	28	38
3.0L engine		
Step 1	15	20
Step 2		
M10 x 85 mm	Tighten an additional 180-degrees	
M10 x 30 mm	Tighten an additional 90-degrees	

*** Do not re-use**

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