



Haynes
shows you how

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

Specifications

Fuel system

Fuel pump type	Electric, mounted in fuel tank
Fuel pressure regulator rating (in-tank)	72 psi \pm 0.3 psi (5.0 \pm 0.02 bars)
Tank level sensor resistance	
Empty tank	59 ohms
Full tank	992 ohms

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.

Camshaft position sensor bolt	60 in-lbs	7
Coolant temperature sensor	120 in-lbs	13
Crankshaft position sensor bolt*		
Stage 1	24 in-lbs	3
Stage 2	Tighten an additional 45-degrees	
Exhaust manifold nuts* - 3.0L engine		
M6 nuts	84 in-lbs	10
M7 nuts	15	20
M8 nuts	16	22
Fuel rail-to-intake manifold bolts		
2.0L engine	71 in-lbs	8
3.0L engine	84 in-lbs	10

Fuel high-pressure sensor - 2.0L engine	18	25
Fuel injector coupling element bolts – 2.0L engine	18	25
Fuel injector pressure line unions – 2.0L engine	133 in-lbs	15
Intake manifold - 3.0L engine		
M6	84 in-lbs	10
M7	132 in-lbs	15
M8	16	22
High pressure fuel pump feed line union - 2.0L engine	22	30
High pressure fuel pump-to-fuel rail line union - 2.0L engine	22	30
High pressure fuel pump bolts - 2.0L engine	108 in-lbs	12
Exhaust module nuts-to-cylinder head - (see illustration 13.23)		
Step 1	71 in-lbs	8
Step 2	115 in-lbs	13
Exhaust module heat shield bolts-to-cylinder head	168 in-lbs	19
Wastegate vacuum unit bolts	15	20
Blow-off valve	88 in-lbs	10
Intake plenum mounting nuts – 2.0L engine	133 in-lbs	15
Engine compartment tension strut*		
M10		
Stage 1	30	40
Stage 2	Tighten an additional 60-degrees	
M12		
Stage 1	74	100
Stage 2	Tighten an additional 90-degrees	
Transmission tunnel reinforcement plate	18	24

* *Do not re-use*