

13 31 Fuel Pump with Drive and Pipes

Tightening Torques

	Type	thread	tightening specification	Torque
1AZ Fuel pump to engine	All			12 Nm
2AZ Fuel pipe coupling bolt	All / with K-Jetr.	M8		9 Nm
3AZ Fuel pipe coupling bolt	All / with K-Jetr.	M12		20 Nm
4AZ Fuel pipe to pressure regulator	All / with L-Jetr.			30 Nm
5AZ Return pipe connector to pressure regulator	All / with L-Jetr.			27 Nm

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1332 Overview of tightening torques

Fuel filter on vehicle underbody		
M6	Tightening torque	6Nm

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1352 Overview of tightening torques

Fuel delivery line to cylinder head cover		
M6x18	Tightening torque	6Nm

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1353 Overview of tightening torques

Fuel delivery line to cylinder head cover		
		6,5Nm
Fuel delivery line to cylinder head cover		
M6 screw	Tightening torque	6,5Nm
Fuel delivery line to high pressure pump		
M14	Tightening torque	31Nm
Ground cable to rail		
M6		5Nm
Ground cable to rail		
M6	Tightening torque	5Nm
High pressure line between high pressure pump and high pressure rail		
M14	Tightening torque	33Nm
High pressure pump to high pressure pump flange		
M6x25	Renew screws.	
	Jointing torque	12Nm
	Tightening torque	90°
Rail pressure sensor to rail		
M14x1,5	Tightening torque	32,5Nm
Special tool injectors to cylinder head		
Special tool	Tightening torque	5Nm

1362 Overview of tightening torques

Camshaft sensor to cylinder head cover		
TS5x20		4Nm
Charge air temperature sensor on charge air line		
M12x1.5	Tightening torque	2Nm
Charging pressure sensor to charge air line		
TS5x20	Tightening torque	4Nm
Charging pressure sensor to intake plenum		
TS6X20	Tightening torque	4Nm
Coolant temperature sensor at cylinder head		
Sensor	Tightening torque	13,5Nm
Crankshaft sensor to timing case cover		
		4.6Nm
Differential pressure sensor to holder		
TS6X20	Tightening torque	4Nm
Hot film air mass meter to intake silencer		
Screw TS 4x16	Tightening torque	1,5Nm
Temperature sensor on crankcase		
M6x18	Tightening torque	8Nm

1371 Overview of tightening torques

Charge air line to throttle body			
M6		Tightening torque	8Nm
Clean air pipe to upper section of intake filter housing			
Clamp		Tightening torque	3Nm
Resonator to intake filter housing			
Clamp		Tightening torque	3Nm

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1390 Overview of tightening torques

Tank ventilation line to intake plenum		
Oval-head screw	Tightening torque	3Nm

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