

11 62 Exhaust manifold

Tightening Torques

	Type	Thread	Tightening specifications	Torque
1AZ Exhaust manifold to cylinder head	B47O0	M7		15 Nm

18 30 Exhaust system

Tightening Torques

	Type	Thread	Tightening specifications	Torque
1AZ Exhaust system to diesel particle filter	B37/B47	Ribbon cable clamp	If necessary, renew clamp.	26 Nm
2AZ Diesel particulate filter to exhaust turbocharger	B37/B47	V-band clamp	Replace gasket and V band clamp.	15 Nm
3AZ Diesel particle filter to holder	B37/B47	M8 Nut / M8x20		19 Nm
4AZ Diesel particulate filter strut to crankcase/top holder to cylinder head	B37/B47	M8x22		19 Nm
5AZ Pressure hose to diesel particulate filter	B37/B47			3 Nm
6AZ Reinforcement brace	B37/B47	M8x16		21 Nm
7AZ Exhaust gas pressure pipe to cylinder head cover	B37/B47	TS6x20		5 Nm
8AZ Banjo bolt on exhaust gas pressure pipe to exhaust manifold	B37/B47		Renew sealing rings.	21 Nm
9AZ Exhaust manifold to cylinder head	B37/B47	M7	Jointing torque	11 Nm
			Final torque	13 Nm
10AZ Heat shield top to exhaust turbocharger	B37/B47	M6		10 Nm
1AZ Heat shield to transfer box (VTG)	B47	M6		6 Nm

1800 Overview of tightening torques

Exhaust bracket on body			
Hexagon screw M8x30		Tightening torque	19Nm
Exhaust system to body			
M8 Replace nuts.		Tightening torque	19Nm
Exhaust system to diesel particle filter			
Ribbon cable clamp Replace clamp			26Nm
Front connection carrier to body			
M10x18		Tightening torque	56Nm
Pressure hose to diesel particulate filter			
			3Nm

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7AZ Exhaust gas pressure pipe to cylinder head cover	B37/B47	TS6x20		5 Nm
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1AZ Heat shield to transfer box (VTG)	B47	M6		6 Nm

1820 Overview of tightening torques

Clamp with partial replacement of exhaust system		
Clamp	Tightening torque	45Nm
Exhaust system suspension to body		
Nut M8		19Nm
Front pipe/catalytic converter to rear silencer		
Clamp		45Nm
V-clip to catalytic converter		
V-band clamp Renew V-band clamp.	Tightening torque	22Nm

1821 Overview of tightening torques

Diesel particulate filter to holder, bottom	
M8	19Nm

1822 Overview of tightening torques

Cross-member to rear axle support		
M12 Renew screws.	Tightening torque	100Nm
		90°

18 30 Exhaust system

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3AZ Diesel particle filter to holder	B37/B47	M8 Nut / M8x20		19 Nm
4AZ Diesel particulate filter strut to crankcase/top holder to cylinder head	B37/B47	M8x22		19 Nm
5AZ Pressure hose to diesel particulate filter	B37/B47			3 Nm
6AZ Reinforcement brace	B37/B47	M8x16		21 Nm
7AZ Exhaust gas pressure pipe to cylinder head cover	B37/B47	TS6x20		5 Nm
8AZ Banjo bolt on exhaust gas pressure pipe to exhaust manifold	B37/B47		Renew sealing rings.	21 Nm
9AZ Exhaust manifold to cylinder head	B37/B47	M7	Jointing torque	11 Nm
			Final torque	13 Nm
10AZ Heat shield top to exhaust turbocharger	B37/B47	M6		10 Nm
1AZ Heat shield to transfer box (VTG)	B47	M6		6 Nm

1831 Overview of tightening torques

Diesel particle filter to holder		
M8 hexagon nut	Tightening torque	19Nm
Diesel particulate filter V-clip to exhaust turbocharger		
V-band clamp Renew V-band clamp.	Tightening torque	15Nm
Diesel particulate filter bracket to crankcase		
M10x35	Tightening torque	38Nm
Diesel particulate filter holder to gearbox		
M12x75	Tightening torque	66Nm
Holder for coolant lines to diesel particulate filter		
Torx bolt BM6x16	Tightening torque	8Nm
SCR metering module V-clip to exhaust system		
V-band clamp Renew V-band clamp.	Tightening torque	8Nm

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1AZ Exhaust manifold to cylinder head	B47O0	M7		15 Nm

1840 Overview of tightening torques

Banjo bolt for exhaust pressure pipe to exhaust manifold		
Hollow bolt	Renew sealing rings.	30Nm
Exhaust gas pressure sensor to holder of sensor system to cylinder head cover		
TS6x20		5Nm
Exhaust manifold to cylinder head		
M7 If necessary, renew loose stud bolts.	Jointing torque	11Nm
Replace nuts.	Tightening torque	13Nm
Heat shield to exhaust manifold		
M6x12		10Nm

18 operating fluid overview

Expendable materials

Diesel particulate filter cleaner	500 ml	83192211602
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Expendable materials

Starter kit for diesel particulate filter cleaner	500 ml	83192211603
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