

11 62 Exhaust manifold

Tightening Torques

	Type	Thread	Tightening specifications	Torque
1AZ Exhaust manifold to cylinder head	B37 O0	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

18 20 Exhaust system suspension

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 Front connection carrier on body	B37/B47	M10x18		56 Nm
3AZ Rear crossbeam on body	B37/B47	M8x18		24 Nm
4AZ Connection carrier to Rear axle support	B37/B47	M8x14		21 Nm
5AZ Exhaust system suspension to Body	B37/B47			19 Nm
6AZ Clamp to rear silencer	B37/B47			45 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
Pressure hose to diesel particulate filter			
			3Nm

11 62 Exhaust manifold

Tightening Torques

	Type	Thread	Tightening specifications	Torque
1AZ Exhaust manifold to cylinder head	B37 O0	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

18 20 Exhaust system suspension

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 Front connection carrier on body	B37/B47	M10x18		56 Nm
3AZ Rear crossbeam on body	B37/B47	M8x18		24 Nm
4AZ Connection carrier to Rear axle support	B37/B47	M8x14		21 Nm
5AZ Exhaust system suspension to Body	B37/B47			19 Nm
6AZ Clamp to rear silencer	B37/B47			45 Nm

1820 Overview of tightening torques

Clamp with partial replacement of exhaust system		
Clamp	Tightening torque	45Nm
Exhaust gas restriction flap servomotor		
Hexagon screw M6 Renew screws.	Tightening torque	8Nm
V-clip to catalytic converter		
V-band clamp Renew V-band clamp.	Tightening torque	22Nm

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

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
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

11 62 Exhaust manifold

Tightening Torques

	Type	Thread	Tightening specifications	Torque
1AZ Exhaust manifold to cylinder head	B37 O0	M7		15 Nm

1840 Overview of tightening torques

Banjo bolt for exhaust pressure pipe to exhaust manifold		
Hollow bolt	Renew sealing rings.	30Nm
Exhaust manifold to cylinder head		
M7	Tightening torque	11Nm
If necessary, renew loose stud bolts.		
Replace nuts.	Tightening torque	13Nm

18 operating fluid overview

Expendable materials

Diesel particulate filter cleaner	500 ml	83192211602
-----------------------------------	--------	-------------

Expendable materials

Starter kit for diesel particulate filter cleaner	500 ml	83192211603
---	--------	-------------