

ENGINE

Exhaust System - Tightening Torques - X6

EXHAUST SYSTEM

18 32 CATALYTIC EXHAUST GAS CONVERTER

CATALYTIC EXHAUST-GAS CONVERTER-TIGHTENING TORQUE SPECIFICATIONS

		Type	Thread	Description	Tightening Specification
1AZ	Catalytic converter to exhaust turbocharger	N63	V-clamp	Replace V-clamp	19 Nm
2AZ	Catalytic exhaust-gas converter, holder, inlet funnel, to cylinder head	N63	M8		21 Nm
3AZ	Catalytic exhaust-gas converter to cylinder head	N63	M8		21 Nm
4AZ	Catalytic exhaust-gas converter to bracket	N63	M8		21 Nm

18 00 EXHAUST ASSEMBLY

EXHAUST ASSEMBLY-TIGHTENING TORQUE SPECIFICATIONS

		Type	Thread	Description	Tightening Specification
1AZ	Primary catalytic converter to turbocharger/or jacket pipe to catalytic converter	M57/M57TU	M10		42 Nm
		M67			15 Nm
		M30/M70		Tighten down compression spring with nut uniformly to	10 Nm

			full extent, then slacken by 1.5 turns	
		M51	Preload compression springs with nut to 27 ± 1 mm	
		S50	M10	30 Nm
		S54/ECE	M10	27 Nm
		S54/US	M10	24 Nm
2AZ	Exhaust pipe to flow section	E23		25 Nm
3AZ	Clamp for final muffler	All	M8	15 Nm
4AZ	Catalytic converter on silencer	E36/M42/M43/M44		Version with compression spring: Evenly preload compression springs with nuts to 30 mm
5AZ	Connection of positive and negative leads to E catalytic converter	M73		5 Nm
6AZ	Rear muffler to intermediate muffler	E53	M8	30 Nm
7AZ	Vacuum tank to retaining plate	E46/M54	M8	10 Nm
8AZ	Exhaust system to exhaust manifold	M40/M42/M43/M44	M10	45 Nm
9AZ	Primary cat. to exhaust system	M57TU/E65		55 Nm

18 31 EXHAUST SYSTEM

EXHAUST SYSTEM-TIGHTENING TORQUE SPECIFICATIONS

	Type	Thread	Tightening Specification
1AZ Exhaust system to connecting tube	N63	M8 nut	20 Nm

2AZ	Connecting tube to catalytic converter	N63	M8 nut	20 Nm
3AZ	Exhaust manifold to cylinder head	N63	M8 nut	15 Nm
4AZ	Heat shield to cylinder head	N63	M6	10 Nm

18 20 EXHAUST SYSTEM SUSPENSION

EXHAUST SYSTEM SUSPENSION-TIGHTENING TORQUE SPECIFICATIONS

		Type	Thread	Tightening Specification
1AZ	Exhaust system to transmission	N63	M8	22 Nm
2AZ	Exhaust system to transfer case	N63	M8	22 Nm
3AZ	Exhaust system to rear differential	N63	M8	22 Nm
4AZ	Rear muffler to body	N63	M8	22 Nm

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4AZ	Catalytic exhaust-gas converter to	N63	M8		21 Nm

bracket				
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4AZ	Rear muffler to body	N63	M8	22 Nm

EXHAUST PIPE WITH MOUNTING

18 31 EXHAUST SYSTEM

EXHAUST SYSTEM-TIGHTENING TORQUE SPECIFICATIONS

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2AZ	Connecting tube to catalytic converter	N63	M8 nut	20 Nm
3AZ	Exhaust manifold to cylinder head	N63	M8 nut	15 Nm
4AZ	Heat shield to	N63	M6	10 Nm

cylinder head			
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EXHAUST CATALYTIC

18 32 CATALYTIC EXHAUST GAS CONVERTER

CATALYTIC EXHAUST-GAS CONVERTER-TIGHTENING TORQUE SPECIFICATIONS

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3AZ	Catalytic exhaust-gas converter to cylinder head	N63	M8		21 Nm
4AZ	Catalytic exhaust-gas converter to bracket	N63	M8		21 Nm