

ENGINE

Exhaust System - Tightening Torques - X6

EXHAUST SYSTEM

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 full extent, then slacken by 1.5 turns	10 Nm
	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 40 EXHAUST MANIFOLD

EXHAUST MANIFOLD-TIGHTENING TORQUE SPECIFICATIONS

	Type	Thread	Tightening Specification
1AZ Assembly, turbo-module to cylinder head	N54	M7	20 Nm

18 31 EXHAUST PIPE WITH CATALYTIC CONVERTER/COMPLETE SYSTEM

EXHAUST PIPE WITH CATALYTIC CONVERTER/COMPLETE SYSTEM-TIGHTENING TORQUE SPECIFICATIONS

	Type	Thread	Tightening Specification
1AZ Exhaust system to front pipe with CAT.	N54	M8	21 Nm
2AZ Exhaust system to rear wheel carrier	N54	M8	21 Nm
3AZ Front pipe with catalytic converter to turbocharger	N54	M8 x 40	13 Nm
4AZ Exhaust system to rear differential	N54	AM12	35 Nm
5AZ Clamp	N54		45 Nm
6AZ Exhaust system to body	N54	M8	21 Nm
7AZ Clamp, exhaust flap, to tailpipe	E71/N54	M6	12 Nm
8AZ Exhaust flap with tailpipe to clamp	E71/N54	M6	12 Nm

18 20 EXHAUST SYSTEM SUSPENSION

EXHAUST SYSTEM SUSPENSION-TIGHTENING TORQUE SPECIFICATIONS

	Type	Thread	Tightening Specification

1AZ Clamp to front pipe holder	N54	M8 x 49	19 Nm
2AZ Bracket, primary cat., to primary cat.	N54	BM8	19 Nm
3AZ Front pipe holder to retaining plate	N54	M8 x 20	19 Nm
4AZ Assembly, exhaust system, to assembly, suspension, rear muffler	N54	M8	19 Nm
5AZ Assembly, retaining plate, to transfer case	N54	M8 x 35	19 Nm
6AZ Preliminary pipe bracket to transmission	N54	M8 x 16	19 Nm
7AZ Assembly, retaining plate to transmission	N54	BM8	21 Nm
8AZ Exhaust system to front pipe bracket	N54	BM8	21 Nm

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