	Type	Thread	Tightening specification	Measure
1AZ Hexagon screws (14 x) Bedplate to crankcase.	N52K	M10 x 100	Replace screws. Jointing torque and angle of rotation must be observed without fail. Jointing torque Torque angle	 20 Nm 70 °
2AZ ASA screws (25 x) Bedplate to crankcase. The end faces of the aluminium screw heads are painted blue.	N52K	M10 x 27	Replace screws. Thread repairs exclusively with aluminium Helicoil threaded insert. Jointing torque and angle of rotation must be observed without fail. Jointing torque Torque angle	 15 Nm 90 °
3AZ ASA screws (4 x) Bedplate to crankcase. The end faces of the aluminium screw heads are painted blue.	N52K	M8 x 37	Replace screws. Thread repairs exclusively with aluminium Helicoil threaded insert. Jointing torque and angle of rotation must be observed without fail. Jointing torque Torque angle	 8 Nm 90 °
4AZ ASA screws (2 x) Bedplate to crankcase. The end faces of the aluminium screw heads are painted blue.	N52K	M10 x 41	Replace screws. Thread repairs exclusively with aluminium Helicoil threaded insert. Jointing torque and angle of rotation must be observed without fail. Jointing torque Torque angle	 15 Nm 90 °

5AZ Oil spray nozzles (6 x) Oil spray nozzles in crankcase.	N52K	M8 x 1		12 Nm
6AZ Plug (1 x) Coolant drain to crankcase. The end faces of the aluminium screw heads are painted blue.	N52K	M14 x 1.5	Replace screw and sealing ring. Thread repairs are not permitted!	50 Nm
7AZ Plug (1 x) Assembly opening to crankcase. The end faces of the aluminium screw heads are painted blue.	N52K	M22 x 1.5	Replace screw. Thread repairs are not permitted!	50 Nm
8AZ Plug (1 x) Assembly opening to bedplate. The end faces of the aluminium screw heads are painted blue.	N52K	M16 x 1.5	Replace screw. Thread repairs are not permitted!	27 Nm

11 12 Cylinder Head with Cover

	Type	thread	tightening specification	Measure
11AZ Cylinder head cover	All	M6		10 Nm
	All	M7		15 Nm
	M21	M8		15 Nm
12AZ Oil trap to cylinder head cover	M21	M8		17 Nm
13AZ Timing case to cylinder head	All	M7		15 Nm
	All	M8		20 Nm
14AZ Plug for oil channel (microencapsulated)	M47 / M57	M12 x 1.5		20 Nm
15AZ Vent plugs to cylinder head (coolant)	M67			2 Nm

	Type	Thread	Tightening specification	Measure
1AZ ISA screws (cylinder head bolts) (10 x) Cylinder head to crankcase.	N52K	M10 x 125	Replace screws. Tighten screws from inside outwards. Jointing torque and angle of rotation must be observed without fail. Jointing torque 1st angle of rotation 2. Angle of rotation 3. Angle of rotation	 30 Nm 90 ° 90 ° 45 °
2AZ ISA screws (cylinder head bolts) (1 x M9 x 95) (3 x M9 x 125) Cylinder head to crankcase.	N52K	M9	Replace screws. Jointing torque and angle of rotation must be observed without fail. Jointing torque 1st angle of rotation 2. Angle of rotation 3. Angle of rotation	 30 Nm 90 ° omitted 45 °
3AZ Al screw (1 x) Cylinder head to crankcase. The end faces of the aluminium screw heads are painted blue.	N52K	M9 x 30	Replace screw. Thread repairs exclusively with aluminium Helicoil threaded insert. Jointing torque and angle of rotation must be observed without fail. Jointing torque Torque angle	 10 Nm 90 °
4AZ ASA screws (3 x) Cylinder head to crankcase.				

The end faces of the aluminium screw heads are painted blue.	N52K	M9 x 70	Replace screws. Thread repairs exclusively with aluminium Helicoil threaded insert. Jointing torque and angle of rotation must be observed without fail. Jointing torque Torque angle	 10 Nm 135 °
5AZ ASA screws (15 x M7 x 33.5 round) (1 x M7 x 33.5 oval) (1 x M7 x 35) (2 x M7 x 36) Hexagon screw (1 x M7 x 46) Studs (2 x M7 x 75) Cylinder head cover to cylinder head.	N52K	M7		9 Nm
6AZ Fillister head screws (4 x) Ignition coil cover to cylinder head cover.	N52K	M6 x 20		4 Nm
7AZ ISA screws (12 x) Bearing cap of eccentric shaft to cylinder head.	N52K	M6 x 30.5		9 Nm
8AZ Seal plugs (3 x) Seal, oil channel, in cylinder head.	N52K	M16 x 1.5	Thread must be oiled.	40 Nm
9AZ Towing eye (1 x) Towing eye to cylinder head.	N52K	M16	Use towing eye exclusively with M16 thread. Use towing eye for engine transportation only.	30 Nm

	Type	Thread	Tightening specification	Measure
Optional extra designation: SA203 = All-wheel drive SA205 = Automatic transmission				
1AZ Plug (1 x) Oil drain to oil sump.	N52K	M12 x 1.5	Replace sealing ring.	25 Nm
2AZ ASA screws (19 x with optional extra SA203) (23 x with optional extra SA205 without optional extra SA203) Oil sump (aluminium) to bedplate for vehicles with SA203 or SA205. The end faces of the aluminium screw heads are painted blue.	N52K	M8 x 26	Replace screws. Thread repairs exclusively with aluminium Helicoil threaded insert. Jointing torque and angle of rotation must be observed without fail. Jointing torque Torque angle	 8 Nm 90 ◦
3AZ ASA screws (5 x M8 x 112 with optional extra SA203) (2 x M8 x 112 with optional extra SA205 without SA203) (3 x M8 x 92 with optional extra SA203/205) Oil sump (aluminium) to bedplate for vehicles with SA203 or SA205. The end faces of the aluminium screw heads are painted blue.	N52K	M8	Replace screws. Thread repairs exclusively with aluminium Helicoil threaded insert. Jointing torque and angle of rotation must be observed without fail. Jointing torque Torque angle	 8 Nm 180 ◦
4AZ ASA screw (1 x) Oil sump (aluminium) to bedplate for vehicles with SA203.				

The end faces of the aluminium screw heads are painted blue.	N52K	M8 x 36	Replace screw. Thread repairs exclusively with aluminium Helicoil threaded insert. Jointing torque and angle of rotation must be observed without fail. Jointing torque Torque angle	 8 Nm 90 °
5AZ ASA screws (28 x) Oil sump (plate) to bedplate for vehicles without SA203 and SA205. The end faces of the aluminium screw heads are painted blue.	N52K	M8 x 24.5	Replace screws. Thread repairs exclusively with aluminium Helicoil threaded insert. Jointing torque and angle of rotation must be observed without fail. Jointing torque Torque angle	 8 Nm 90 °
6AZ ASA screws (6 x without optional extra SA203) (7 x with optional extra SA203) Oil deflector to bedplate. The end faces of the aluminium screw heads are painted blue.	N52K	M6 x 20	Replace screws. Thread repairs exclusively with aluminium Helicoil threaded insert. Jointing torque and angle of rotation must be observed without fail. Jointing torque Torque angle	 4 Nm 90 °
7AZ ASA screws (3 x) Transmission to oil sump.	N52K	M8 x 50		19 Nm

11 14 Transmission closing plate

	Type	Thread	Tightening specification	Measure
1AZ ASA screws (4 x) Transmission cover plate to crankcase. The end faces of the aluminium screw heads are painted blue.	N52K	M6 x 16	Replace screws. Thread repairs exclusively with aluminium Helicoil threaded insert. Jointing torque and angle of rotation must be observed without fail. Jointing torque Torque angle	 4 Nm 45 ◦

	Type	Thread	Tightening specification	Measure
1AZ Hexagon screws (14 x) Bedplate to crankcase.	N52K	M10 x 100	Replace screws. Jointing torque and angle of rotation must be observed without fail. Jointing torque Torque angle	 20 Nm 70 °
2AZ ASA screws (25 x) Bedplate to crankcase. The end faces of the aluminium screw heads are painted blue.	N52K	M10 x 27	Replace screws. Thread repairs exclusively with aluminium Helicoil threaded insert. Jointing torque and angle of rotation must be observed without fail. Jointing torque Torque angle	 15 Nm 90 °
3AZ ASA screws (4 x) Bedplate to crankcase. The end faces of the aluminium screw heads are painted blue.	N52K	M8 x 37	Replace screws. Thread repairs exclusively with aluminium Helicoil threaded insert. Jointing torque and angle of rotation must be observed without fail. Jointing torque Torque angle	 8 Nm 90 °
4AZ ASA screws (2 x) Bedplate to crankcase. The end faces of the aluminium screw heads are painted blue.	N52K	M10 x 41	Replace screws. Thread repairs exclusively with aluminium Helicoil threaded insert. Jointing torque and angle of rotation must be observed without fail. Jointing torque Torque angle	 15 Nm 90 °

5AZ Oil spray nozzles (6 x) Oil spray nozzles in crankcase.	N52K	M8 x 1		12 Nm
6AZ Plug (1 x) Coolant drain to crankcase. The end faces of the aluminium screw heads are painted blue.	N52K	M14 x 1.5	Replace screw and sealing ring. Thread repairs are not permitted!	50 Nm
7AZ Plug (1 x) Assembly opening to crankcase. The end faces of the aluminium screw heads are painted blue.	N52K	M22 x 1.5	Replace screw. Thread repairs are not permitted!	50 Nm
8AZ Plug (1 x) Assembly opening to bedplate. The end faces of the aluminium screw heads are painted blue.	N52K	M16 x 1.5	Replace screw. Thread repairs are not permitted!	27 Nm

	Type	Thread	Tightening specification	Measure
1AZ ASA screws (connecting rod bolts) (12 x) Connecting rod bearing cap to connecting rod.	N52K	M8 x 47	Replace screws. Screws washed and oiled. Jointing torque and angle of rotation must be observed without fail. Jointing torque Torque angle	 20 Nm 70 ◦

	Type	Thread	Tightening specification	Measure
1AZ Increment wheel on crankshaft	S54	M5 10.9	Replace screws Jointing torque Torque angle	 5.0 Nm 45 ◦
Increment wheel on crankshaft		M5 10.9	Replace screws	13 Nm
Increment wheel on crankshaft		M5 8.8	Replace screws	5.5 Nm

	Type	Thread	Tightening specification	Measure
1AZ Hexagon screw (central screw) (1 x) Hub of vibration damper to crankshaft.	N52K	M16 x 80	Replace screw. Screw and thread are lightly oiled. Jointing torque and angle of rotation must be observed without fail. Jointing torque Torque angle	 100 Nm 360 °

	Type	Thread	Tightening specification	Measure
1AZ Hexagon screws (6 x) Flywheel to crankshaft for vehicles with SA205 (automatic transmission).	N52K	M12 x 25.5	Replace screws. Jointing torque and final tightening must be observed without fail. 1. Jointing torque 2. Final tightening	 30 Nm 125 Nm
2AZ ISA screws (6 x) Flywheel to crankshaft for vehicles without SA205 (automatic transmission).	N52K	M12 x 25	Replace screws.	120 Nm

	Type	Thread	Tightening specification	Measure
3AZ Belt pulley / vibration damper to hub	S38 / B36	M8 10.9		34 Nm
	N40 / N42 / N45 / N46 / S38 / B38	M8 10.9		34 Nm
	All / others	M8		22 Nm
4AZ Belt pulley to vibration damper	S38 / B35	M8 8.8		22 Nm
	S50	M8 8.8		22 Nm
5AZ Sprocket with hub or hub to crankshaft	M40	M16 x 1.5	Replace screw	310 Nm
	M42 / M43 / M43TU / M44	M16 x 1.5	Replace screw	330 Nm
6AZ Hub to crankshaft	N40 / N42 / N45 / N46	M16 x 1.5	Replace screw	300 Nm

11 23 Vibration Damper

	Type	Thread	Tightening specification	Measure
1AZ ASA screws (6 x) Vibration damper to hub.	N52K	M8 x 16		35 Nm

	Type	Thread	Tightening specification	Measure
1AZ Hexagon screws (14 x) Bedplate to crankcase.	N52K	M10 x 100	Replace screws. Jointing torque and angle of rotation must be observed without fail. Jointing torque Torque angle	 20 Nm 70 °
2AZ ASA screws (25 x) Bedplate to crankcase. The end faces of the aluminium screw heads are painted blue.	N52K	M10 x 27	Replace screws. Thread repairs exclusively with aluminium Helicoil threaded insert. Jointing torque and angle of rotation must be observed without fail. Jointing torque Torque angle	 15 Nm 90 °
3AZ ASA screws (4 x) Bedplate to crankcase. The end faces of the aluminium screw heads are painted blue.	N52K	M8 x 37	Replace screws. Thread repairs exclusively with aluminium Helicoil threaded insert. Jointing torque and angle of rotation must be observed without fail. Jointing torque Torque angle	 8 Nm 90 °
4AZ ASA screws (2 x) Bedplate to crankcase. The end faces of the aluminium screw heads are painted blue.	N52K	M10 x 41	Replace screws. Thread repairs exclusively with aluminium Helicoil threaded insert. Jointing torque and angle of rotation must be observed without fail. Jointing torque Torque angle	 15 Nm 90 °

5AZ Oil spray nozzles (6 x) Oil spray nozzles in crankcase.	N52K	M8 x 1		12 Nm
6AZ Plug (1 x) Coolant drain to crankcase. The end faces of the aluminium screw heads are painted blue.	N52K	M14 x 1.5	Replace screw and sealing ring. Thread repairs are not permitted!	50 Nm
7AZ Plug (1 x) Assembly opening to crankcase. The end faces of the aluminium screw heads are painted blue.	N52K	M22 x 1.5	Replace screw. Thread repairs are not permitted!	50 Nm
8AZ Plug (1 x) Assembly opening to bedplate. The end faces of the aluminium screw heads are painted blue.	N52K	M16 x 1.5	Replace screw. Thread repairs are not permitted!	27 Nm

	Type	Thread	Tightening specification	Measure
1AZ ASA screws (connecting rod bolts) (12 x) Connecting rod bearing cap to connecting rod.	N52K	M8 x 47	Replace screws. Screws washed and oiled. Jointing torque and angle of rotation must be observed without fail. Jointing torque Torque angle	 20 Nm 70 ◦

	Type	Thread	Tightening specification	Measure
1AZ ASA screw (1 x) Belt tensioner to crankcase. The end faces of the aluminium screw heads are painted blue.	N52K / Not for E70 N52K B30	M11 x 65	Replace screw. Thread repairs are not permitted! Jointing torque and angle of rotation must be observed without fail. Jointing torque Torque angle	 25 Nm 90 ◦
2AZ ASA screw (1 x) Belt tensioner with deflection pulley to crankcase. The end faces of the aluminium screw heads are painted blue.	E70 N52K B30	M11 x 99	Replace screw. Thread repairs are not permitted! Jointing torque and angle of rotation must be observed without fail. Jointing torque Torque angle	 25 Nm 90 ◦
3AZ Hexagon screw (1 x) Deflection pulley to alternator.	N52K	M10 x 45		40 Nm

	Type	Thread	Tightening specification	Measure
1AZ ASA screws (15 x) Upper and lower bearing banks of exhaust camshaft to cylinder head.	N52K	M7 x 70	Insert screws dry. Tighten screws from inside outwards. Jointing torque and angle of rotation must be observed without fail. Jointing torque Torque angle	 8 Nm 60 °
2AZ ISA screws (14 x) Bearing cap of inlet camshaft to cylinder head.	N52K	M6 x 30.5		9 Nm
3AZ ASA screws (2 x) Timing chain module to cylinder head.	N52K	M6 x 35		9 Nm
4AZ Bearing pin (1 x) Timing chain module to crankcase.	N52K	M8		20 Nm
5AZ Bearing pin (1 x) Timing chain module to cylinder head.	N52K	M7		14 Nm
6AZ Chain tensioner (1 x) Chain tensioner to cylinder head.	N52K	M22 x 1.5	Replace sealing ring.	55 Nm
7AZ Plug (1 x) Assembly opening to cylinder head.	N52K	M18 x 1.5		25 Nm

	Type	Thread	Tightening specification	Measure
1AZ Hexagon screws (central bolts) (2 x) VANOS with sensor gear to inlet and exhaust camshafts.	N52K	M10 x 94	Replace screws. Grip inlet and exhaust camshafts at dihedron when tightening. Jointing torque and angle of rotation must be observed without fail. Jointing torque Torque angle	 20 Nm 180 °
2AZ Non-return valve (2 x) Non-return valve for VANOS to cylinder head	N52K	M14 x 1.5	Replace sealing ring.	13 Nm
3AZ Hexagon screws (2 x) Inlet and exhaust solenoid valve with holder to cylinder head.	N52K	M6 x 12	Replace support and sealing rings.	9 Nm

	Type	Thread	Tightening specification	Measure
1AZ ASA screws (11 x) Guide block to timing case.	N52K	M6 x 23	Only one screw (inside) plus the oil spray nozzle are fitted on cylinder no. 3.	10 Nm
2AZ ASA screws (6 x) Torsion spring to cylinder head.	N52K	M6 x 20		10 Nm
3AZ ASA screws (2 x on cylinder head) (1 x on cylinder head cover) Electric servomotor to cylinder head and to cylinder head cover.	N52K	M6 x 16	1. Join screws hand-tight to cylinder head. 2. Join screw hand-tight to cylinder head cover. 3. Jointing torque on cylinder head. 4. Jointing torque on cylinder head cover.	10 Nm
4AZ ASA screw (1 x) Oil spray nozzle to guide block.	N52K	M6 x 30	Oil spray nozzle is fitted on cylinder no. 3 (outside).	10 Nm
5AZ Stop screw (1 x) Stop screw of eccentric shaft to cylinder head.	N52K	M6		10 Nm

	Type	Thread	Tightening specification	Measure
Optional extra designation: SA203 = All-wheel drive				
1AZ ASA screws (2 x with optional extra SA203) (3 x without optional extra SA203) Suction pipe to bedplate. The end faces of the aluminium screw heads are painted blue.	N52K	M6 x 30	Replace screws. Thread repairs exclusively with aluminium Helicoil threaded insert. Jointing torque and angle of rotation must be observed without fail. Jointing torque Torque angle	 4 Nm 100 °
2AZ ASA screw (1 x) Oil pump to bedplate. The end faces of the aluminium screw heads are painted blue.	N52K	M8 x 123	Replace screw. Thread repairs exclusively with aluminium Helicoil threaded insert. Jointing torque and angle of rotation must be observed without fail. Jointing torque Torque angle	 10 Nm 180 °
3AZ ASA screws (2 x) Oil pump to bedplate. The end faces of the aluminium screw heads are painted blue.	N52K	M8 x 31	Replace screws. Thread repairs exclusively with aluminium Helicoil threaded insert. Jointing torque and angle of rotation must be observed without fail. Jointing torque Torque angle	 10 Nm 90 °

4AZ ASA screw

(1 x)

Chain module to crankcase.

The end faces of the aluminium screw heads are painted blue.	N52K	M6 x 16	Replace screw. Thread repairs are not permitted! Jointing torque and angle of rotation must be observed without fail. Jointing torque Torque angle	 4 Nm 45 °
5AZ ASA screws (2 x) Chain module to oil pump. The end faces of the aluminium screw heads are painted blue.	N52K	M6 x 16	Replace screws. Thread repairs exclusively with aluminium Helicoil threaded insert. Jointing torque and angle of rotation must be observed without fail. Jointing torque Torque angle	 4 Nm 45 °
6AZ Fillister head bolt (1 x) Sprocket wheel to oil pump.	N52K	M8 x 20	Jointing torque and angle of rotation must be observed without fail. Jointing torque Torque angle	 20 Nm 45 °

11 42 Oil filter element with connections

	Type	Thread	Tightening specification	Measure
1AZ Oil filter cap (1 x) Oil filter cap to oil-filter housing.	N52K		Replace sealing ring.	25 Nm
2AZ ASA screws (1 x M8 x 28) (1 x M8 x 43) (1 x M8 x 78) Oil filter housing to cylinder head.	N52K	M8	Replace seal.	22 Nm
3AZ Tapping screws (3 x) Oil/water heat exchanger to oil filter housing.	N52K	M8 x 20	Replace seal.	16 Nm

	Type	Thread	Tightening specification	Measure
1AZ ASA screws (3 x) Electric water pump to crankcase. The end faces of the aluminium screw heads are painted blue.	N52K / Not for E70 N52K B30	M8 x 32	Replace screws. Thread repairs exclusively with aluminium Helicoil threaded insert. Jointing torque and angle of rotation must be observed without fail. Jointing torque Torque angle	 10 Nm 90 ◦
2AZ ASA screws (3 x) Electric water pump to crankcase. The end faces of the aluminium screw heads are painted blue.	E70 N52K B30	M8 x 28	Replace screws. Thread repairs exclusively with aluminium Helicoil threaded insert. Jointing torque and angle of rotation must be observed without fail. Jointing torque Torque angle	 10 Nm 90 ◦

	Type	Thread	Tightening specification	Measure
1AZ Fan clutch on water pump Coupling nut (left-hand threads)	All			40 Nm
	M54			45 Nm
2AZ Fan to fan clutch	All			10 Nm

11 53 Coolant thermostat with connections

	Type	Thread	Tightening specification	Measure
1AZ Hexagon screws (2 x) Coolant thermostat to electric water pump.	N52K	M6 x 25		9 Nm
2AZ ASA screws (2 x) Feed line (from electric water pump) to crankcase.	N52K	M6 x 16	Replace sealing ring and seal.	9 Nm
3AZ Hose clamp (1 x) Feed line (from crankcase) to electric water pump.	N52K	L42-48		3 Nm
4AZ Hose clamps (2 x) Coolant hose between oil-water heat exchanger and feed line.	N52K	L18-24		3 Nm
5AZ Hose clamps (2 x) Coolant hose between coolant thermostat and electric water pump.	N52K	L42-48		3 Nm
6AZ Hose clamp (1 x) Coolant hose (from cylinder head) to coolant thermostat.	N52K	L23-35		3 Nm
7AZ Hexagon screws (2 x) Coolant hose (from coolant thermostat) to cylinder head.	N52K	M6 x 25		9 Nm
8AZ ASA screw (1 x) Spacer to cylinder head.	N52K	M6 x 12		8 Nm

9AZ ASA screws

(2 x)

Dual bracket to crankcase. The end faces of the aluminium screw heads are painted blue.	N52K	M6 x 16	Replace screws. Thread repairs exclusively with aluminium Helicoil threaded insert. Jointing torque and angle of rotation must be observed without fail. Jointing torque Torque angle	 4 Nm 45 °

	Type	thread	tightening specification	Measure
1AZ Thermostat housing	All	M6		10 Nm
2AZ Bleeder screw	All	M8		8 Nm

	Type	Thread	Tightening specification	Measure
1AZ Hexagon screws (4 x) Air intake manifold to cylinder head.	N52K	M7 x 50		15 Nm
2AZ Hexagon nuts (3 x) Air intake manifold to cylinder head.	N52K	AM7 (to DIN 439)		15 Nm

11 61 Intake manifold

	Type	thread	tightening specification	Measure
1AZ Intake manifold on cylinder head	All	M8		22 Nm
	All	M7		15 Nm
	All	M6		10 Nm
2AZ Soundproofing hood to holder	M60/1 / M60/2 / M62	M6		8 Nm

	Type	Thread	Tightening specification	Measure
1AZ Exhaust manifold to cylinder head Coat screw connections with CRC copper paste	All	M6	Replace nuts	10 Nm
	M50 / M52 / M52TU / M54 / M56 / S52 / S50 US	M7	Replace nuts	20 Nm
	All / others	M7	Replace nuts	15 Nm
	M10	M8	Upper row of staybolts installed with bolt cement	23 Nm
	M21	M8	Replace nuts Retighten after 2000 km Slacken nuts by a 1/4 turn	12 Nm 12 Nm
	M41 / M47 / M47TU / M51 / M57 / M57TU	M8	Replace nuts	20 Nm
	All / others	M8	Replace nuts	23 Nm

11 66 Vacuum pump

	Type	Thread	Tightening specification	Measure
1AZ ISA flat mushroom head screws 10.9 (3 x) Vacuum pump to crankcase.	N52K	M6 x 40		10 Nm
2AZ ISA screw (1 x) Sprocket wheel to vacuum pump.	N52K	M10 x 30		66 Nm

	Type	Thread	Tightening specification	Measure
1AZ Secondary air valve to cylinder head	N52K	M6		8 Nm
2AZ Secondary air pump to mounting bracket/pump carrier	N52K	M6		8 Nm
3AZ Intake hose / intake line to body	N52K	M6		8 Nm

	Type	Thread	Tightening specification	Measure
1AZ Oxygen control sensor; oxygen monitor sensor	All	M18 x 1.5		50 Nm

11 78 Exhaust gas control, lambda control sensor / lambda monitor sensor

	Type	Thread	Tightening specification	Measure
1AZ Lambda control sensor LSU 4.9 Lambda monitor sensor LSF 4.2	N52K	M18 x 1.5		50 Nm
2AZ ASA screws (2 x) Bracket, lambda control sensors, to cylinder head.	N52K	M6 x 12		8 Nm
3AZ Hexagon screw (1 x) Bracket, lambda monitor sensors, side, to transmission.	N52K / Not for E6x and E85	M8 x 16		19 Nm
4AZ Bracket, plug connection, lambda monitor sensors, bottom, to transmission.	N52K			