Fastener Tightening Specifications

Component	Bolt Size	Nm
A/C Compressor		22
Baffle Plate to Front Sealing Flange		10
Bearing Cap		
Bolt		22[3]
Nut		35 + 90°[3]
Bracket for A/C Compressor and Power Steering Pump		
		22[1]
		40[1]
Bracket for Air Guide Pipe		
		10[2]
		43[2]
Bracket for Torque Bracket		43
Camshaft Sprocket to Camshaft		55
Connecting Rod Bolt		30 + 90°[3]
Coolant Pump		14
Crankshaft Toothed Belt Sprocket		200 + 180°[3]
Drive Plate to Crankshaft		30 + 90°[38]
Eccentric Pulley to Cylinder Block		45
Front Air Guide Pipe to		
Throttle valve control module		10
Bracket		10[5]
Front Sealing Flange to Cylinder Block		14[7]
Front Sealing Flange to Upper Section of Oil Pan		14
Hose clamps 9 mm wide		3
Hose clamps 13 mm wide		5.5
Idler Roller		22
Left Camshaft Gear		55[3]
Left Rear Toothed Belt Guard		10
Lower Idler pulley for Ribbed Belt		23
Mount for Idler Pulley		22
Mounting Pin		20 + 90°[3]
Oil Baffle		10
Oil Pan Lower Section		10
Pin		6
Power-Steering Pump		22
Pulley for the Power Steering Pump		22

Rear Sealing Flange with Sealing Ring		
		10[4]
		14[4]
Rear sealing flange to		
Cylinder block		10
Oil pan (upper section)		14
Ribbed Belt Pulley to Power Steering Pump		22
Right Camshaft Gear		55[3]
Right Rear Toothed Belt Guard		10
Sealing Flange, Front		14
Sealing Plug in Upper Section of Oil Pan		35
Spray Nozzle Valve		35
Tension Roller for Ribbed Belt		43
Tensioner to Front Sealing Flange		10
Tensioning Lever to Front Sealing Flange		20 + 90° [38]
Tensioning Element		10
Tensioning Roller		40
Toothed Belt Sprocket to Crankshaft		200 + 180° [36]
Torque Support Bracket to Cylinder Block		43[38]
Torque Support to		
Longitudinal Member	M8	30
Mount	M12	60 + 90°[8]
Upper idler pulley for ribbed belt to torque support bracket		10
Vibration Damper to Crankshaft Gear		22
Washer for Drive Plate		30 + 90°[8]

- [1] For bolt tightening clarification, refer to → Chapter „Ribbed Belt Drive Assembly Overview“ and see items -18 and 23-
- [2] For bolt tightening clarification, refer to → Chapter „Toothed Belt Guards Assembly Overview“ and see items -4 and 6-
- [3] Replace bolts.
- [4] For bolt tightening clarification, refer to → Chapter „Sealing Flanges and Drive Plate Assembly Overview“ and see items -17 and 18-
- [5] Insert using locking compound; locking compound. Refer to → Electronic Parts Catalog “ETKA”.
- [6] 180° corresponds to a half turn.
- [7] Bolt class 10.9.
- [8] 90° corresponds to a 1/4 turn

Crankshaft bearing cap, installing

– Replace bolts -A- and nuts -1 through 10-.

– Inserting alignment bushings into cylinder block.

– Tighten bearing cap nuts or bolts in the

following sequence:

1 - Hand-tighten bolts -A-.
2 - Tighten the nuts -1 to 10- to 35 Nm.
3 - Tighten nuts -1 through 10- 90° ($^1/_4$ additional turn) using a rigid wrench.
4 - Tighten the bolts -A- to 22 Nm.
5 - Tighten bolts -A- 90° ($^1/_4$ turn) further using rigid wrench.