
Basic engine data

11A

Basic engine data 11A.02

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Number of cylinders:	
- AA, AB, AC, AD	4
- YA, YB, YC, YD	6
Cylinder arrangement	In-line
Cycle	Four stroke
Induction system:	
- AA, YA	Naturally aspirated
- AB, YB	Turbocharged
- AC, YC	Altitude compensated
- AD, YD	Turbocharged/intercooled
Combustion system	Direct injection
Nominal bore	100 mm (3.937 in)
Stroke	127 mm (5.000 in)
Compression ratio:	
- AA, YA, YC	16.5:1
- AB, AC, AD, YB, YD	16.0:1
Cubic capacity:	
- AA, AB, AC, AD	4 litres (243 in ³)
- YA, YB, YC, YD	6 litres (365 in ³)
Firing order	
- AA, AB, AC, AD	1, 3, 4, 2
- YA, YB, YC, YD	1, 5, 3, 6, 2, 4
Valve tip clearance (cold):	
- Inlet	0,20 mm (0.008 in)
- Exhaust	0,45 mm (0.018 in)
Lubricating oil pressure (minimum at maximum engine speed and normal engine temperature):	
- Engines without piston cooling jets	207kN/m ² (30lbf/in ²) 2,1kgf/cm ²
- Engines with piston cooling jets	280kN/m ² (40lbf/in ²) 2,8kgf/cm ²
Direction of rotation	Clockwise from the front