



C2 R2 MAX

Version 01 – 28 February 2009



A12

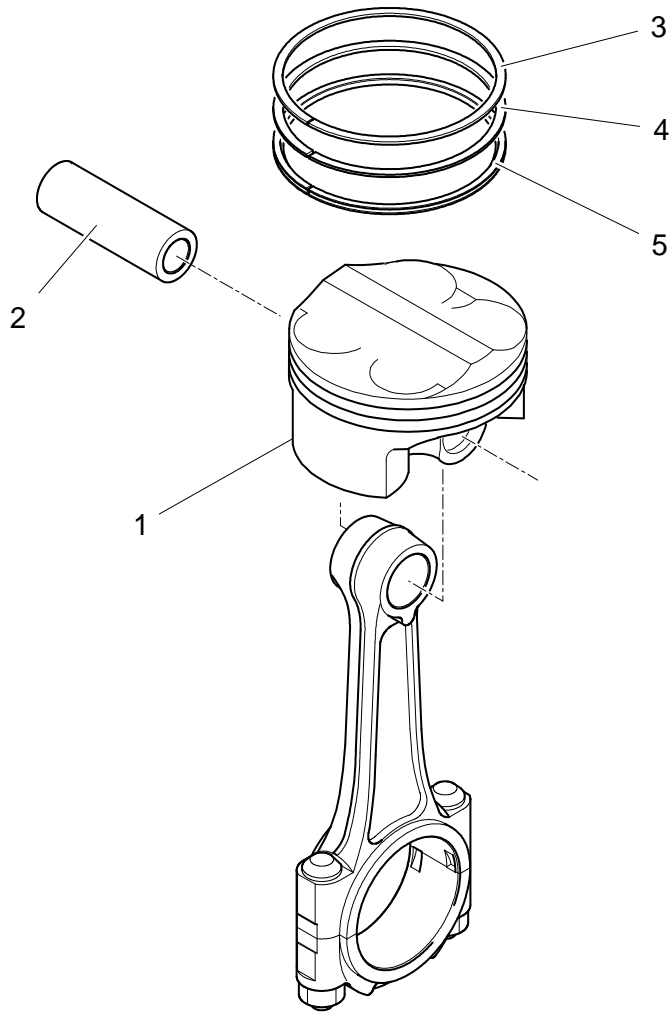
PISTON / RINGS






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The references for standard parts, shown in *Italics* in the table opposite, are included in the kits "TUR2-MO00.KTPR.01" and "KIT REV MOT C2R2", and cannot be sold separately.

Ref	Part Number	Qty	Description
1	0A1261442B	4	Piston
2	9640835780	4	Piston pin
3	0A1210832A	4	Top compression ring
4	0A1210833A	4	Compression ring
5	0A1210834A	4	Oil control ring
	<i>BCSP060386</i>	1	Connecting rod (play of 4)
	<i>BCSP0606N7</i>	1	Connecting rod bearing (play of 8 ½)
	<i>BCSP060906</i>	4	Oil nozzle
	<i>BCSP691315</i>	4	Oil nozzle screw M6x100 Lg12

	<p>Compression rings: Torque play</p> <p>⚠ the "top" indication on each compression ring must be facing upwards. (N.B.: some compression rings have asymmetrical profiles).</p> <p>When the piston with its compression rings fitted is introduced into the barrel, take care that the spring of the oil control ring does not overlap.</p>	<p>Top ring = 0.42 - 0.45mm</p> <p>Compression ring = 0.35 - 0.38mm</p> <p>Oil control = 0.35 - 0.38mm</p>
	<p>Assembling the Piston / Piston pin / Connecting rod:</p> <p>Warm the small end on a heater plate, taking care to place a piece of tin on the connecting rod.</p> <p>When the tin starts to melt, the connecting rod is at the right temperature for fitting the piston and its pin together using it.</p> <p>The pin must be centred at + or – 0.5 mm.</p>	<p>Centring the piston pin:</p> <p>+/- 0.5 millimetre</p>
	<p>Tightening torque for the connecting rod screws.</p>	<p>1 m.kg + 100°</p> <p>apply oil on the screw thread, and under head.</p>

Oil nozzles:

Check that the oil nozzles are not in contact with the pistons at bottom dead centre..
If this is the case, modify the nozzles by bending them as shown in the pictures below:

Standard oil nozzle**Modified oil nozzle**

A displacement of **1 to 2mm** is sufficient.



Nota : We remind you that the tuning, the assembly and the settings of a racing engine require specific tools and specialists abilities.

To guarantee a good level of performance and reliability, CITROËN Racing recommend ORECA Magny Cours, partner of our applications since many years.

**A12
Compression
rings**



**TO
ENGINE**

