



TT00028

Revised Cylinder Block on Cummins ISL & QSL9 Engines

This bulletin announces a change to the ISL & QSL9 cylinder block to include a larger diameter roller tappet assembly. A caution is expressed when ordering replacement components as previous and revised blocks and tappets are incompatible.

The roller tappet assembly diameter has increased from 1.1024ö (28.000 MM) to 1.2205ö (31.000 MM) for increased durability. The current revised cylinder block is available with Part #4089702. The former cylinder block Part #4089242 will be available until stock inventory is depleted. The camshaft, valve tappet, push rod, and rocker lever adjusting screw compatible with the 1.1024ö (28.000 MM) diameter tappet bore block will remain available as service parts only for situations where block replacement is not necessary.

Part:	1.1024ö (28.000 MM)	1.2205ö (31.000 MM)
Description:	Diameter Tappet Bore	Diameter Tappet Bore
Block Kit:	4089242	4089702

If an ISL or QSL9 engine built with a 1.1024ö (28.000 MM) diameter tappet bore block requires a block replacement, the following parts need to be replaced along with the new 1.2205ö (31.000 MM) diameter tappet bore block due to the increased roller tappet bore diameter:

- ÉCamshaft
- ÉRoller tappet assemblies
- ÉPush rods
- ÉRocker lever adjusting screws.

Part:	1.1024ö (28.000 MM)	1.2205ö (31.000 MM)
Description:	Diameter Tappet Bore	Diameter Tappet Bore
Camshaft:	3945033	3967256
Tappet, valve:	3968344	3965966
Rod, push:	3944178	3964715
Screw, rocker Lever adjusting:	3959128	3964720

The 31 mm [1.22 in] diameter tappet bore block went into production on July 28, 2003, with engine serial number (ESN) first 46324151.

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