

Installation Tip

Timing Cover, Jaguar Six-Cylinder 1955-1987

PART#: 861-411

This Timing Cover has extra material at the upper and lower faces that will mate to the cylinder head and oil pan respectively. The extra material is removed by machining the cover to fit the engine block. This cover fits the vast majority of Jaguar six-cylinder engines. However, it does not fit: XK120, XK140 before Engine G.1907, MK VII A-Series engines, MK VII B-Series engines, and MK VII Engine D.1001 to D.6722.

Both the top face and bottom face must be machined with the timing cover mated to the engine block. This is the only way to ensure proper sealing at these interfaces. The engine must be out of the vehicle to accomplish this and these are machine shop operations.

The upper surface that must be coplanar with the cyl head parting surface will be machined with the cover 'in-place' on the block when the block is "decked".

In the event that the facing of the bottom of the block is also needed, then the timing cover is cut 'in-place' with the usual fly-cutting method.

If there is no need for surfacing the oil pan parting surface at the bottom of the block then the timing cover should be surfaced 'in-place' on the block by end milling with the timing cover surface left 0.001~0.002in up/proud from the oil pan parting surface. The paper gasket for the oil pan can accommodate the 0.001~0.002in 'step' at the timing cover.

This avoids making any changes to the main bearing shells in the block casting that part on the same plane as the oil pan.

This method is the only reliable way to ensure proper sealing at the upper and lower faces of the timing cover.

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