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Kesariysky A.G. Study of deformation fitting connection of the head and cylinder block of the piston engine / A.G.

Kesariysky, Yu.A. Postol, V.V.Satokin // Internal combustion

engines. – 2010. – №1. – Р. 51-53.

The results of theoretical and experimental studies of

deformation of different engines are presented. It is shown

that the simultaneous influence of the forces of internal pressure

and tightening the screws may lead to changes in engine

performance. These forces affect the operation of the flange

bolts. Proposed use of holographic interferometry methods

and mathematical modeling for optimizing construction of

the engine. Tаblе. 1. Il. 4. Bibliog. 8 names.