**UDC 621.43+621.43.05.1**

**Mishchenko N.I., Zarenbin V.G., Kolesnikova T.N.,**

**Yurchenko Y.V., Buchtienko D.M. Modern lines of development of automobile engines with various ways of regulation of power and a degree of compression // Internal combustion**

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**Prospects and designs of nonconventional engines are**

**discussed. The state-of-the-art review of various methods of**

**regulation of loading and compression ratio of the gasoline**

**engine of internal combustion on partial modes of its work is**

**lead. Disadvantages of these methods are considered and**

**drawn conclusions concerning expediency of their application**

**on engines. It is marked, that from all types of engines known**

**for today the most promising one for refitting on the car of**

**tomorrow is conrod-free piston engine with a crank-guide propulsion**

**mechanism. Works on creation of such engine are conducted**

**during more than 20 years in DonNTU. Il. 5. Bibliogr.**

**19 names.**