

ABSTRACT

Title : Expert System Application for Diagnosis of Engine Damage of 4-Clutch Motor

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In scientific writing, the author discusses the development of Expert System, which is one field of artificial intelligence techniques in the computer field. Here the author uses the method of production functions that included rules in predicate calculus as a way of knowledge representation is applied in Turbo Prolog programming language, where the application is used to look for damage that may occur in 4-stroke motorcycle engine in accordance with existing traits.

Turbo Prolog programming language is a form of declarative programming language developed in the early 1970s by Alain Colmerauer from the University of Marseilles in France.

Expert Systems with Applications made to Diagnose Damage Motor 4-stroke engine is expected to develop existing theory base significantly, so that the learning is more easily understood with the success of this Expert System applications and can help users who do not know the motor in detail about the motor 4 - not to get consideration before taking further action if there is damage to their motor.