SIMULATION OF DISTRIBUTORLESS DIGITAL WITH SOFTWARE PROTEUS 62.S4

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Abstract

Distributorless digital ignition system is expected to anticipate potential problems and shortages caused by the conventional distributor ignition system and weaknesses in Distributorless analog. To obtain a description of the performance of the system is done by using computer simulation software Proteus 6.2 sp4. Simulation test is conducted to know the time delay, the degree ignition / before top dead center (BTDC). Simulation produced a variable with the time between cycles and the delay before top dead center (BTDC).

Simulation results show the greater the vehicle rounds the time delay small. Whereas before top dead center (BTDC) the greater. This trend shows the system in accordance with the ignition system needs.

Key words : Distributorless Digital, Proteus 62.S4, round, TimeDelay, Before top dead center (BTDC)