

## Design Simulation Of Four Stroke Engines

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During simulation of the four-stroke cycle, it was observed that if the working mode of the linear electric machine follows the sequence presented in Table 1, it will result in mechanical contact between the piston and the cylinder head during Stroke 1 and Stroke 4. This is because during the exhaust gas exchange process, the exhaust valve is open and the cylinder pressure force is too low to overcome the expansion force from the other side (similar with a free-piston expander without bounce ...

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### Two-Stroke Wave-Action Engine Simulation

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