

**Research title: A Case Study the Effect of Reduce Fuel Injection Pressure to the Fuel Consumption in Four Stroke Gasoline Engine**

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**ABSTRACT**

The purpose of this research is to study the fuel Consumption when reduce fuel injection pressure and vary car speeds. This research used Honda civic 1600cc.,automatic transmission, install the pressure regulator, and by vary 3 injection pressure values, 30psi,26psi,22psi and vary car speeds 60 km/hr.,80 km/hr.and 100km/hr.

The result of the research is as follows, At the injection pressure 22 psi and car speeds 60 km/hr. has the lowest fuel consumption at 0.064942 l/km. or 15 km/l.

**Keywords:** Fuel Injection Pressure, Gasoline Engine