



PRODUCT INFORMATION SHEET

WYNN'S SPITFIRE INJECTOR CLEANER

Product Number: 77201 24 x 325 ml

WYNN'S SPITFIRE INJECTOR CLEANER is a balanced package of chemicals, specifically formulated to keep fuel injectors like new.

Wynn's Spitfire Injector Cleaner is safe for both oxygen sensors and catalytic converters. It is also suitable for all petrol engines and all grades of petrol.

Introduction

Fuel injected vehicles are becoming more and more common. Almost all new petrol-powered vehicles are equipped with some form of fuel injector system. A fuel injector delivers a controlled spray of petrol into the intake manifold of the engine, from which it is drawn into the cylinders by the action of the intake valves. The most popular arrangement is the multi-port fuel injector system, in which there is one injector for each cylinder. There is also the throttle-body arrangement where a single fuel injector supplies all the cylinders, taking the place of the familiar carburettor. Fuel injector systems provide a more controlled supply of fuel to the engine, thereby improving engine efficiency, performance, and reducing emissions.

Unfortunately, certain types of petrol have been found to create deposits on the tips of fuel injectors. These deposits can reduce the amount of fuel delivered by the injector, and they can also adversely affect the spray pattern from the injector nozzle, which is essential to optimum engine performance. Deposits are particularly troublesome with multi-port fuel injector systems. Usually some of the injectors will plug worse than others, with the result that not all the cylinders will receive the same amount of fuel. The consequences are erratic engine performance, loss of power, stumbling, etc. These problems can occur after only 2,400 kms of driving.

Advantages

- Maintains cleanliness of fuel injectors in newer vehicles, without the need for disassembly.
- Disperses water condensation.
- Prevents fuel system rust and corrosion.
- Maintains maximum fuel system efficiency.
- Prevents deposits from forming in fuel injectors.
- Corrects lost power, rough idling, stalling and hard starting.
- Lubricates pump, fuel regulator and injectors.
- Reduces wear and prevents seizing of the mechanical parts of the fuel system.
- Ensures optimal combustion.

Wynn's Spitfire Injector Cleaner is formulated with the following chemicals to give the above benefits.

- **DETERGENTS/DISPERSANTS**

Fouled fuel injectors require a higher concentration of specific detergents and dispersants than dirty carburetors and other fuel system components in order to be thoroughly cleaned. Wynn's Spitfire Injector Cleaner contains concentrated detergent/dispersants to clean dirty injectors with just one application.

- **RUST AND CORROSION INHIBITORS**

The corrosion inhibitors prevent rust and corrosion, protecting the parts of the system.

- **LUBRICANTS**

The lubricants ensure an efficient lubrication of the costly parts of the system, such as the high pressure pump, the fuel regulator and the injectors, protecting them against wear and seizing. These lubricants, specially selected and highly refined, do not form carbon deposits in the combustion chamber.

Applications

Add complete contents of 325ml bottle of Wynn's Spitfire Injector Cleaner to petrol tank. Use every three months or at 5,000 km intervals to maintain the cleanliness of the fuel injectors.

Typical Characteristics

Appearance	Clear Thin Liquid
Colour	Amber
Colour (ASTM D 1500)	2.0
Density @ 15°C	0.837 (ASTM D 4052)
Flash Point (°C) PMCC	64 (ASTM D 93)
Boiling Range (°C)	163-371
Volatiles (% Vol)	90.2