



PETROL INJECT-A-CLEAN

The Problem

Since 1996 car manufacturers have been introducing direct injection, high pressure fuel delivery systems into their fleets. Modern fuel systems are technically advanced and rely on precise air/fuel ratios which can leave them vulnerable to the negative influences of contamination in the fuel.

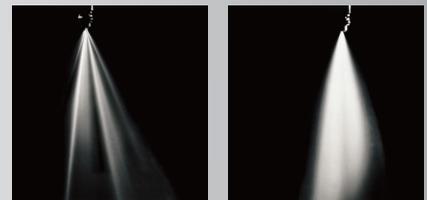
When water/condensation mixes in the petrol tank it oxidizes the fuel, which leads to the formation of gum and varnish deposits. These deposits restrict the flow of air and fuel to the combustion chamber. The deposits affect the injectors, intake manifolds, valves and throttle bodies/air intakes, as well as interfering with important engine management systems. This is exaggerated with the lower quality fuels found in New Zealand when compared to overseas fuels.

In high pressure systems, if water passes through the injectors it expands at a greater rate than fuel and can damage the injector nozzles.

OEM acronyms for engines fitted with direct injection, high pressure petrol systems; GDI, FSE, IDE, FSI, GDi, HPI, SCi, DISI, JTS, HPI, CGI, GTDI, SIDI, DI

Symptoms:

- Increased fuel consumption
- Loss of power
- Increased emissions
- Hesitation
- Rough idling
- Hard starting



Petrol fuel injector spray pattern before Wynn's treatment (left), and after (right).

The Solution

Wynn's® Professional Formula Petrol Inject-A-Clean has been developed using the latest cleaning and lubricating technology for direct injection systems while still being compatible with traditional petrol injection systems.

Wynn's® Petrol Inject-A-Clean stops water and petrol mixing, preventing water from entering the high pressure system. The Wynn's® Petrol Inject-A-Clean detergents quickly and safely break down the deposits and the dispersants hold the now microscopic deposits in suspension and removes them via the combustion process. It cleans the injectors and contains a DCA (Deposit Control Additive) to help prevent the formation of new deposits.

Wynn's® Petrol Inject-A-Clean cleans and protects Direct Petrol injection systems against excessive fouling, wear and water contamination damage.



Other brand injector cleaner (left), and Wynn's Inject-A-Clean (right).



Wynn's® Professional Formula Petrol Inject-A-Clean

- Cleans the injectors
- Restores & maintains ideal injector spray pattern
- Improves fuel economy
- Does not emulsify water & petrol
- Reduces CO and HC emissions
- Keeps inlet valves & EGR systems clean
- Safe to use with oxygen sensors & catalytic converters
- Reduces the formation of deposits
- Improves acceleration

Ask about our other **Wynn's** Services

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PROFESSIONAL
SERVICE PROGRAMS