

# EFI ELECTRONIC FUEL INJECTORS.

## SHOULD YOU SERVICE OR FORGET THEM?

Almost all modern vehicles are fitted with electronic fuel injectors "EFI" replacing the traditional carburetor. Fuel injected engines are controlled by a computerised management system that continually monitors the driving conditions and controls the injectors to deliver the optimum amount of fuel to create as close to perfect combustion as possible.

The modern EFI engine is fitted with a number of sensors such as, temp sensor, oxygen sensor, throttle position sensor (T.P.S.), manifold absolute pressure sensor (M.A.P.) and a knock sensor. These sensors send messages to the management computer (E.C.U.) which then uses this data to control ignition timing, fuel delivery and cooling fans.

The computer controls the fuel delivery to the injectors and can partially mask the problem of dirty fowled injectors. Unfortunately the fowled injector will not deliver the correct fuel spray pattern into the combustion chamber and the computer can't do anything to fix this problem. The result will be a rougher idle than expected with increased fuel consumption. The piston rings can also be affected as the combustion temperatures will not be normal and stable. The life of the engine can also suffer from detonation or pinging which will eventually crack rings or pistons. (*Pinging is the audible rattling noise heard when under open throttle operation and is the result of incorrect combustion*)

The life of the engine can be shortened quite considerably by incorrect fuel spray patterns being delivered by dirty injectors.

Most manufactures recommend that fuel injectors are cleaned and serviced at least every 100,000 KLM.

At U.M.R. we have installed the most up to date electronic injector cleaning equipment and can carry out this service in our workshop at Slacks Creek.

**For a smoother more economical engine it is recommended that this service be carried out every 100,000 KLM .**



**Lucky winner of our first draw in the "free" oil competition. Mr. Ron Bielanski was thrilled to accept his prize..... Don't forget to fill out your entry for the second draw.**

## Recommended Repairers

### JAYKAYS AUTO ELECTRICS

48 MOSS ST. SLACKS CREEK

**32091422**

*"let us keep you charged!"*

### RedDevil

RADIATORS

AIR CONDITIONING

SLACKS CREEK  
6 Moss Street

**32092611**

BROWNS PLAINS  
Cnr Tradelink Road.

**38007899**

*"let us keep you cool"*

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