ValveCare

ValveCare is the latest product development in the field of fuel additives, suitable for combustion engines which have been converted to the alternative fuels LPG or CNG. The product is unique compared to other products of the competitors, because it is possible to add the ValveCare fluid to the LPG or CNG under pressure. Because of this ValveCare also functions when the engine is running on full load and there is an optimal spreading of the ValveCare fluid over all cylinders. The product **ValveCare** has been developed by Auto Gas Components NV in close cooperation with Prins Autogassystemen BV.

Why ValveCare?

The valves and the valve seats of some combustion engines are more sensitive to wear when driving on LPG or CNG. This problem does not occur with petrol engines, because an additive is present in the normal petrol for the lubrication of the valves and the valve seats of the engine. This additive is not present in LPG and CNG.

With the innovative **ValveCare** metering pump it is possible to inject this additive with pressure into the LPG or CNG. Therefore the wear of the valves and the valve seats will be reduced. As a result the hardening of the valves and valve seats may not be necessary.

Performance

The **ValveCare** kit consists of a specially developed, computer controlled metering pump and the **ValveCare** fluid.

As soon as the car switches over to LPG or CNG the metering pump will switch on automatically and the **ValveCare** fluid is injected into the VSI LPG or CNG-system through the metering pump. This direct injection into the VSI LPG or CNG-system renders **ValveCare** unique compared to other products of the competition. The **ValveCare** fluid reaches the engine already mixed with the gas, optimizing the positive effect.

When the level of fluid is too low, the metering pump will switch off automatically and send a signal to the VSI-computer. The VSI-computer switches the engine over to petrol, in order to protect the engine. A buzzer will sound to alert the driver when the system has run out of **ValveCare** fluid, to allow a refill in time.

Installation

The **ValveCare** kit can be installed by an authorized Prins Dealer in every car with a Prins VSI LPG or CNG-system.

Benefits

- Applicable on all engines with a Prins VSI LPG or CNG-system
- Extends lifespan of valves and valve seats

- Fully automatic performance (switch on – dosage – switch off)
- Good performance even when engine is running on full load
- Even distribution of the lubrication to all cylinders by separate injection
- Buzzer will sound when running out of ValveCare fluid
- Increases fuel economy
- Improves engine power
- Reduces CO emissions

Features of the ValveCare fluid

- Improves lubrication of valves and valve seats, reducing wear
- Prevents oxidation of steel components in the system
- Prevents combustion-chamber deposits in the engine
- Reduces emission of non-combusted hydrocarbons
- Reduces CO emissions
- Increases fuel economy
- Improves engine power

Information

Distribution

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