

29th April, 2010

**The All New Toyota Noah – The First Vehicle to Adopt
Revolutionary “VALVEMATIC” Technology**

Crown Motors Limited (CML) will be the first to introduce the revolutionary “VALVEMATIC” Technology, in the launch of the **All New Toyota Noah**.

“VALVEMATIC” is a system that improves combustion efficiency. With the computer, it controls the valve’s open and close timing as well as the amount of lift. As a result this helps to improve fuel economy, engine output and response, and provides cleaner emissions. Noah is also granted the Government’s tax incentives for environment-friendly petrol private cars.

Benefits of “VALVEMATIC” Engine:

- **Improved Fuel Economy**
The amount of lift and the open and close timing of the valve can be varied according to its needs. When the car is at low speed or low output, it decreases the amount of lift. Thus less fuel is used and so better fuel economy.
- **Improved Engine Output**
The valve lift can increase at high speeds, allowing for an increase in the efficiency of air intake and fuel.
- **Improved Engine Response**
The throttle valve is open more than a conventional engine, hence less pressure in the intake manifold making it easier to draw air into the cylinder.
- **Cleaner Emissions**
Varied valve lift enables the engine to maintain high air velocities at low engine speeds, creating a homogeneous air-fuel mixture to stabilize combustion.