



## Dismantling of a Modern Vehicle & Study of a VVT-i Engine

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Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | When we were to choose a topic among various options, we chose to work on something related to automobiles - a diverse area of mechanical engineering. In order to work & study on the engine of the given car (1999 Toyota Echo Sedan), we had to dismantle the car first. Then we had to dismantle the engine. The engine - a 2NZ-FE engine is a VVT-i (Variable Valve Timing with Intelligence) engine. Afterwards we had to make a cut-model of the engine by cutting various dismantled parts & assembling the cut parts. Finally we re-assembled the given car without the engine. In the process we gained a lot of practical knowledge about the VVT-i engine parts. The cut-model we made can be utilized further in future to educate students. Future thesis students can also work with it by adding up transmission system, cooling system, air-conditioning system, lubrications system etc. Mechatronics devices can also be added up to give autonomous programming, such as - self-drive, avoiding obstacles or follow leading car etc. | Format: Paperback | Language/Sprache: english | 88 pp.



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*This book is great. it was writtern quite flawlessly and helpful. You will not truly feel monotony at whenever you want of your time (that's what catalogs are for concerning if you ask me).*

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*Comprehensive guideline! Its such a good read through. It is actually writter in basic words and not confusing. I am just easily could possibly get a enjoyment of reading a composed book.*

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