

# Off-road Suzuki Grand Vitara by Lucian

## Student Project

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Suzuki este un brand japonez, care s-a impus riguros in lumea off-road, inca din cele mai vechi timpuri. Factorii principali care m-au incurajat sa aleg acest brand sunt calitatea, si pretul scazut. Specificatiile autovehiculului sunt: motor de 2000cc, 129cp, 4X4, transmisie automata, 3 usi, an de fabricatie 1999. Masina beneficiaza in prezent de o garda la sol marita cu 5 cm, lucrare efectuata cu ajutorul unui kit de inaltare din teflon pentru arcuri si prelungiri metalice la telescoape. Prelungirea cardanului de pe spate s-a efectuat cu o placa din Teflon de 20mm. Corectarea unghiului de cadere al rotilor din fata, s-a efectuat cu ajutorul unor suruburi excentrice(camber-bolt). Pentru imbunatatirea stabilitatii, am folosit flanse de 30mm pentru fiecare roata. Avand in vedere ca masina circula si pe sosea, beneficiaza de un set de cauciucuri cu profil Mud-Terain de la Insa Turbo. In prezent, masina ruleaza in parametri optimi, cu performante ridicate in regim off-road.



Suzuki is a Japanese brand, which has established itself rigorously in the off-road world. The main factors that encouraged me to choose this brand are the quality and the low price. The specifications of the vehicle are: 2000cc engine, 129hp, 4X4, automatic transmission, 3 doors, year of manufacture 1999. The car currently benefits from a ground clearance increased by 5 cm, work done with the help of a teflon lifting kit for springs and metal extensions to telescopes. The extension of the cardan shaft on the back was made with a 20mm Teflon plate.



The correction of the falling angle of the front wheels was made with the help of eccentric screws (camber-bolt). To improve stability, we used 30mm flanges for each wheel. Considering that the car also travels on the road, it benefits from a set of tires with Mud-Terain profile from Insa Turbo. Currently, the car runs in optimal parameters, with high performance in off-road mode.

