

Design and Development of Puncture Kit

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Abstract: Demand of customers in term of ergonomics, aesthetics and efficient engine are also increasing. Customer expects that vehicle which they purchase should be resistance to all type of failure or company should provide easy solution whenever they get any problem in their vehicle. In other words, human factor involved while handling sick vehicle should be very ergonomic. If a customer's vehicle has a punctured tyre or a flat tyre, it is a dangerous situation that disrupts their thoughts, causes anxiety, and causes health problems if they are forced to tow the punctured vehicle. When dragging a ruptured vehicle, the tyre is also damaged. It's a novel idea for assisting drivers in effortlessly pulling their vehicle to a repair shop. The puncture kit is a rescue equipment meant to assist vehicles that may experience wheel troubles in continuing their journey by providing quick remedies to the issue. When wheel encountered a problem (flat tyre, burst tyre, dislodged tyre, brake jammed, bearing jammed) and our solution is to provide a simpler and more stable structure which the front plate and rear plate of the smart auxiliary kit will hold the hold the punctured tire and then user can drive normally at the speed of 20 km/h. This product not only provide quick solutions, it is also assisted user to be out from dangerous situation quick as imaging user were alone at the breakdown site with nobody surrounding.

Keywords: Puncture Kit, Dislodged Tyre, Front Plate, Inflation, etc.

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