

Review of: "Design and analysis of hand-break release system with the help of accelerator of automobile vehicle"

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Potential competing interests: No potential competing interests to declare.

Here are some critical comments regarding the "Design and analysis of handbrake release system with the help of accelerator of automobile vehicle" :

1. The proposed system of using an accelerator to release the handbrake may not represent a significant advancement in automotive technology. Many existing systems already incorporate automated or semi-automated handbrake release mechanisms, such as those based on electronic controls or integrated with ignition systems. The novelty of the design needs to be clarified and compared more rigorously with current state-of-the-art solutions.
2. Integrating the handbrake release with the accelerator may lead to unintended consequences or complications.
3. The proposed system adds complexity to the vehicle's braking system. This complexity could potentially impact the reliability and maintenance of the vehicle. The design and analysis should provide detailed reliability assessments and maintenance procedures to ensure that the system does not introduce new points of failure.
4. The paper lacks a thorough justification for some of the design choices.
5. There is minimal discussion on the validation and testing of the proposed system.
6. The user interface and usability of the proposed system are not adequately addressed.
7. The cost implications of implementing the proposed system are not discussed.
8. The proposed system's integration with existing vehicle control systems is not clearly outlined.