Michael Shenouda

Professor Brown

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Is it possible to break a windshield or a side window?

Abstract: In this experiment, we are testing if we can breakdown a window car or the side windows. We will perform a couple of procedure to test if it is possible to break the windshield or the side windows by using certain materials to complete the experiment. In the end, the procedures should be successful.

Introduction: Is it possible to break a windshield or a side window? In a car emergency, it is important to know your way around a car. And it is very important to know if there are certain ways to get out of your car successfully and not waste your time on a strategy that’s unsuccessful during an emergency.

Methods & Materials:

. a screwdriver

. a punch (a product not a fist)

To break the windshield, we tried one method which was to kick it with our heels until it creates a hole in it which a person can exit put from safely. We tried three methods to break the side windows. The first one was using the buckle of the seatbelt by swinging it at the wind a couple of times hard until it creates an impact on a certain point of the window and breaks it. The second method was using a screwdriver. We first started using it by pushing it between the window and the door of the car to try to separate them. After that we started pushing it hard against the window with the screwdriver until we found a spot where the window doesn’t separate from the door and it doesn’t give room from pushing on it with the screwdriver. Once we found that spot, we kept putting pressure on it until it breaks it. The third method was using a product called “punch” which is used to make marks on metal. However, in this situation we used it to try to break a window. To break the window using “punch”, we pressed it hard against the window and it pushes a metal pieces out with a great force which cause the window to shatter.

Results:

For the method with the procedure of breaking the windshield, the results were successful, and we were able to break the windshield. Despite how difficult it is to complete the procedure; it was a successful experiment. For the other three methods to break a side window, the first method, which was to use the buckle of the seatbelt and swing it at the window until it breaks, was successful. The second method, which was to use a screwdriver, was also a successful method, however, the buckle of the seatbelt method was much easier to complete. The third method which was using a “punch”, was a successful method and out of the three methods, it was the most effective, and fastest method to break a side window.

Discussion:

 In an emergency, it is better to break the side window first because the windshield takes more time and more effort to break it down unlike a side window which takes a few minutes or a few seconds, however, others may argue and say that the windshield would be better off to break for more space to get out of the car. However, this should vary depending on the way the car is facing. And from what we have seen from our experiment’s results, it is possible to break the windows of a car.

Conclusion:

In conclusion, it is possible to break the windshield and the side windows. In all our methods that we experimented; they were all successful. As a result all of these methods are valid to be used to break a side window or a windshield. In the future, I hope we experiment if it is possible to break the back window or is it impossible?

Appendices: None.

 Work Cited

1. <https://www.youtube.com/watch?v=_GGqdLeAMPw>