

Vending Machine Grenade

This is a great invention to make in a pinch. You can find all of the materials in a vending machine (except for the bobby pin). The reaction between the Mentos and Diet Coke is very interesting. The Mentos is causing the Diet Coke to lose all of its carbonation (go flat) all of a sudden instead of slowly like what happens if you leave a glass of soda out.

Please be careful punching a hole in the cap. Have fun!

Materials:

- 2-liter of Diet Coke
- A pack of unflavored Mentos
- Bobby pin

Tools:

- Awl, for punching a hole in the soda cap



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Steps:

1. Carefully use the awl to punch a small hole (just big enough for one part of the bobby pin to fit through) in the top of the soda cap. Make sure that the soda does not go flat while you are doing this.
2. Separate the two legs of the bobby pin
3. Insert the flat and smooth leg through the hole in the soda cap. Allow about 3 inches to stick out underneath the cap. Then bend the bobby pin over to make a right angle on the top of the soda cap.
4. Thread three Mentos onto the part of the bobby pin that hangs under the cap. Push them tightly against the top.
5. Screw the top back onto the Diet Coke.
6. Be careful, when you pull out the bobby pin the Diet Coke will explode out of the hole you punched into the soda cap.