



What even is that?



ENGINEERING DESIGN: BAD DESIGN PROJECT BY: CONALL LOUGHLIN





It's an Ashtray



Almost all cars come with ashtrays. Ashtrays are meant to catch the ashes from the driver or passenger's cigarettes. In some cars, the ashtray has a lid that flips up. In others, the ashtray erects from under the radio. All ashtrays have easy access.

How do the Ashtrays Fail?



- Rarely used in the United States for the intended use
 - In European and Asian countries smoking is still at large, which is why they still exist in the US cars
- Mostly used as a makeshift coin holder
- If used, the stench of cigarette makes the entire car smell

Suggested Solutions



- **Solution 1: Get Rid of It!**
 - In American models, the car company should forget about the concept of an ashtray all together. The company could use the precious space for something more useful. For example, an organized coin holder would be used more.
- **Solution 2: Self-Cleaning Ashtray**
 - The car should design a way to dump the ashes either onto the street under the car. This way, the source of the smell after the cigarette is out of the car.

Pro and Con of Solution 1



- **Pro's**

- Makes the more popular use more convenient
- Makes more use of unused space
- Discourages smoking

- **Con's**

- No place (but out the window) for people to dump their ashes for the people who do smoke
- Limits what the consumer can store in that space from what they were previous customed to store there

Pro's and Con's Solution 2: Self-Cleaning Ashtray



- **Pro's**

- Restricts the smell of cigarette in the car
- Prevents messy accidents

- **Con's**

- Limits the uses of a rarely used design to its specific use
- Accidental emptying could dispose of temporarily placed items
- Could create air pressure problems in the cabin of the car