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Edsgn 100

Section 21

### Solidworks Personal Project

For my solidworks personal project I decided to make an iPhone with a phone attachment. I use my iPhone on a daily basis and always think its funny to see the various accessories companies come up with. One of the most bizarre accessories i have seen is the “old time phone” attachment. Instead of using the speaker on the iPhone, you plug a cord into the headphone jack and use a large handheld phone.



I decided to make this because it was interesting to me as well as relatively complicated. I did some research to find the true dimensions of the iPhone 6 as well as the phone itself. I had to use the techniques we learned in class to make the different shapes and combine them together. The hardest part of the project was drawing the actual phone. I had trouble creating the accepted shape and doing the several extrudes required. Other than that, the project was relatively basic. I used extruded cut to make the holes in the sides of the phone, the connecting sites, and the design on the circles of the phone. I used sweep to make the basic shape of the phone. I also used a new technique to make the cord that involved creating a new plane and managing a helix shape.

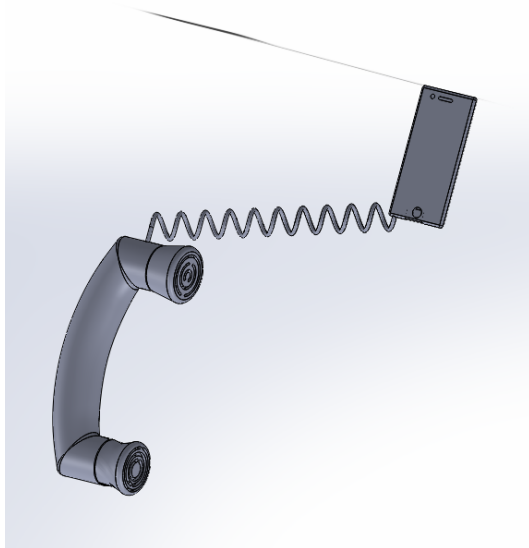


Figure 1. Entire Assembly

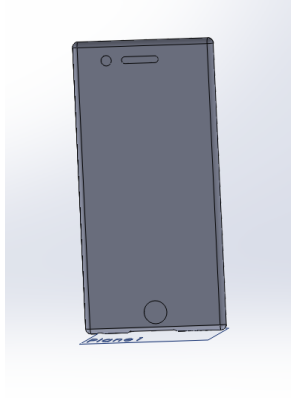


Figure 2. iPhone 6 drawing

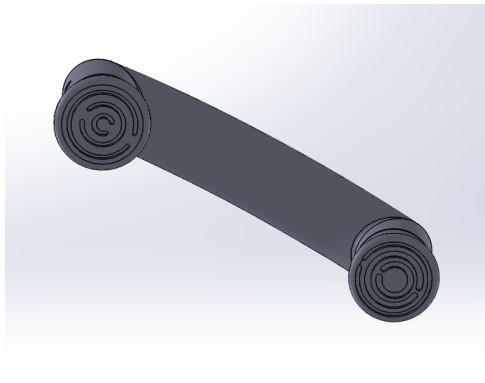


Figure 3. Phone attachment

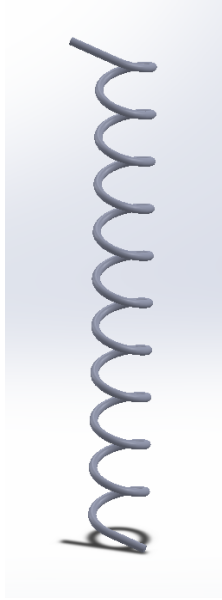


Figure 4. Cord for phone attachment