

▣ Problem 2 The elastic band of catapult mechanism snapped while elevating.

Solution: The reason behind it was that the elastic band got caught when the elevation arms was pulled down. Using thin zip ties might lead to easy breakage. Alternatively, changing the attachment point of the elastic band might be a viable solution

▣ Problem 3 When using the rear part of our Robot to hit the side of the frame to release the Triball, the pneumatic switch get accidentally triggered due to contact, causing the pneumatic switch to open unintentionally.

Solution: We made adjustments by changing the switch orientation to a vertical position and placing it between the catapult structure beam and the smart motor for protection. However, this adjustment has made it challenging to access the air pump. To address this, tomorrow we plan to add a T-connector to the switch outlet and seal some of the ports, facilitating easier inflation.

We will test these proposed solutions tomorrow and determined the final measures to resolve these problems.

project V5 Structure

designed by: Kevin

witnessed by: Steven

date: 12-1