

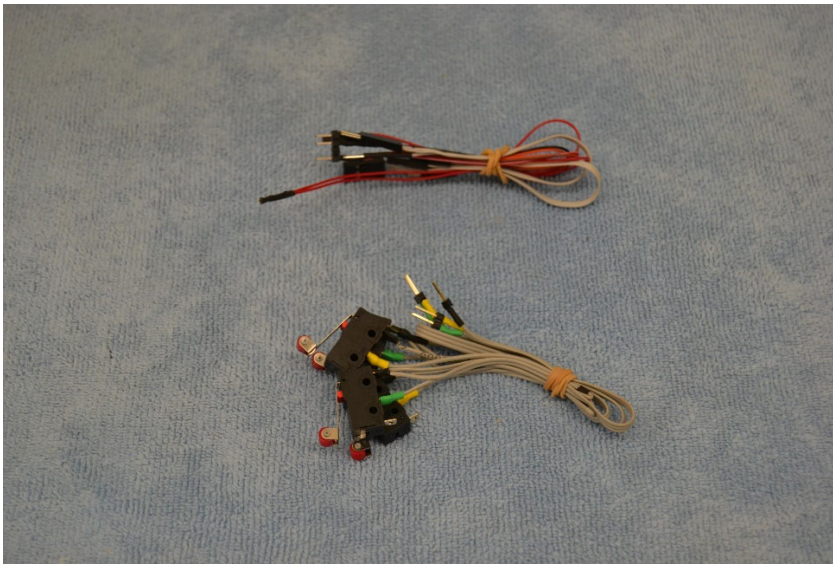
**Rover Camera Mount Assembly**  
**Jackson State University MARRS STEM Workshop**  
**February 27, 2021**

**Objective:** Complete the Camera Mount assembly and process successfully.

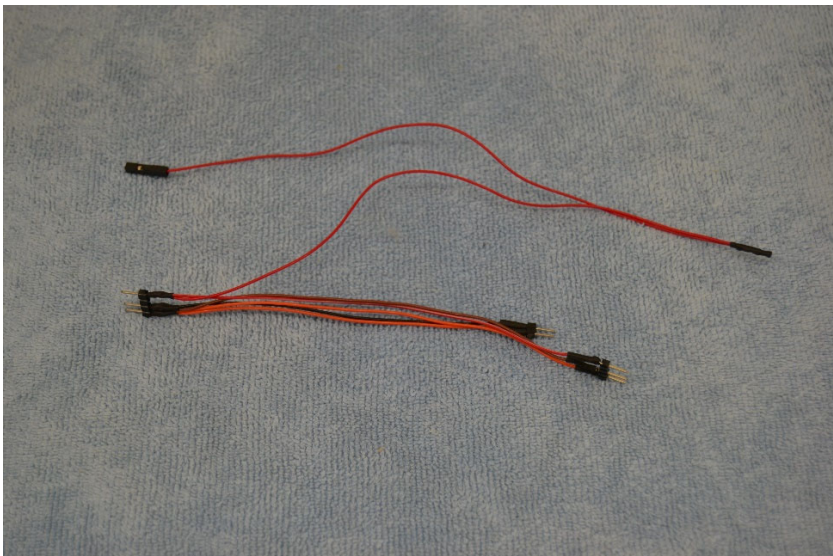
**Tools and materials:** Needle nose pliers, Phillip's screwdriver, camera parts kit.

## 2. Camera Mount Wires

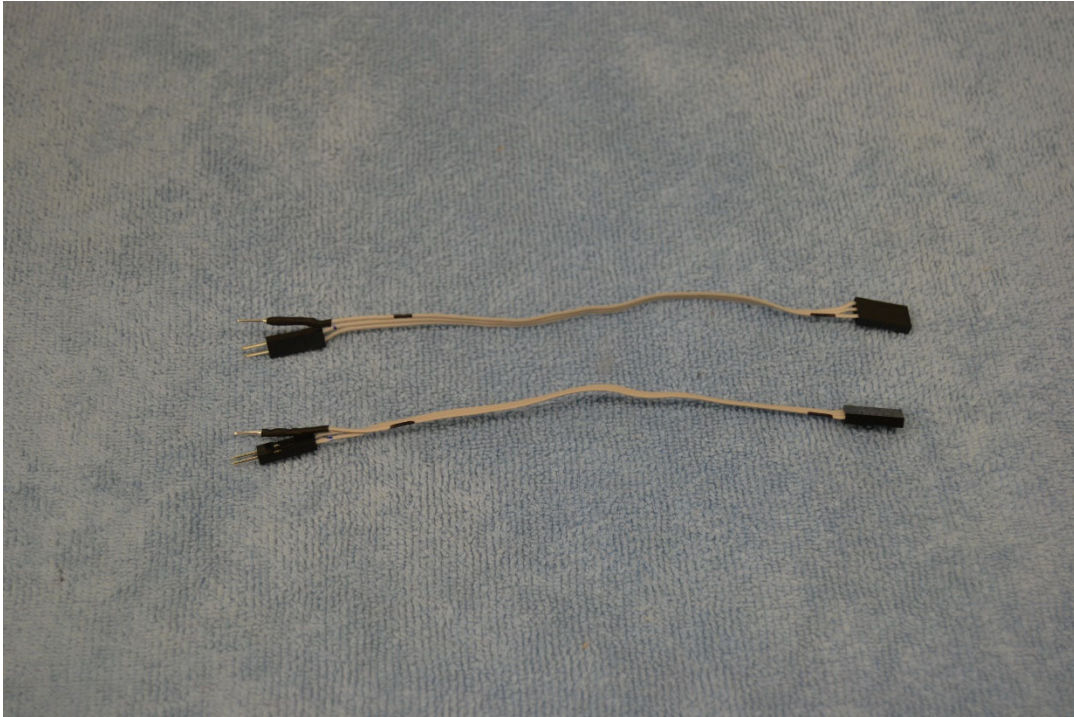
- (1) There are two sets of wires with rubber bands for the Camera & Rover Driver Board.



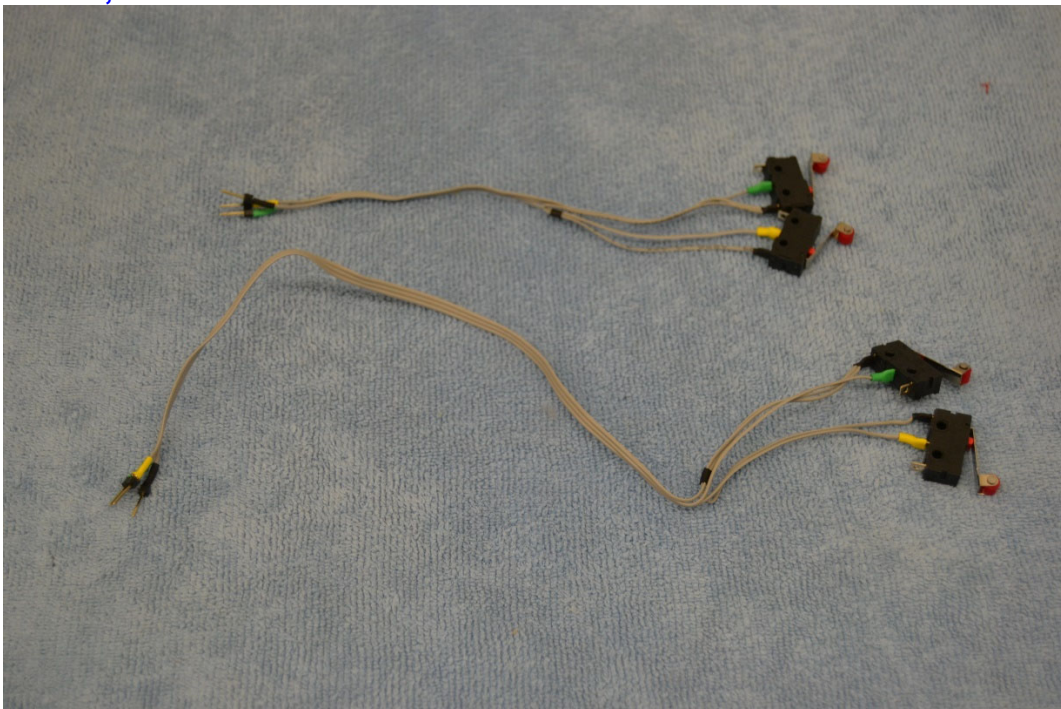
- (2) Unfolding the wire for the Rover power and driver board power to stepper driver board are shown below.



- (3) The control interface wires for the stepper boards are shown below.:  
**Note: The wires are identified with a Blue Dot, Black Dot, and NO Dot marks on the wires.**



- (4) There are two sets of limit switch wires included with the wire bundle. These are the limit switch sensor wires that control the motion of the stepper motors.  
**Note: The length on the wires are different and they have Green, Yellow, & Black sleeves on the wires terminals.**



- (5) The following photo is a duplicate of the Camera Mount Parts that has all the wires that are required for the Camera Mount Assembly.  
**Limit Switch Wire set - One long and one short wire.**  
**Driver Board Wire set marked with Blue dots, Black dots, and No dots**

