

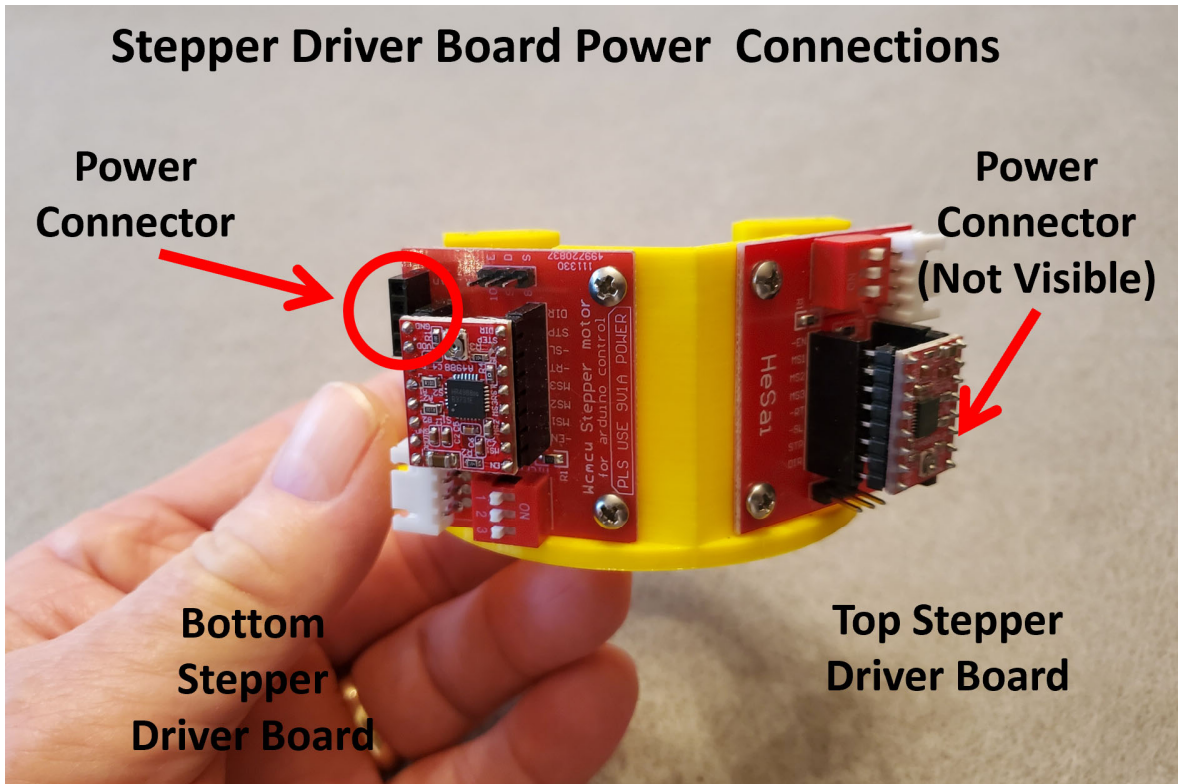
**Rover Camera Mount Assembly
Jackson State University MARRS STEM Workshop
February 27, 2021**

Objective: Complete the Camera Mount assembly and process successfully.

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

6. Top Camera Stepper Assembly

- (1) This photo shows the power connectors to the two stepper control boards.
The **Left** side of the camera base is the bottom stepper control board and on the **Right** is the top stepper control.

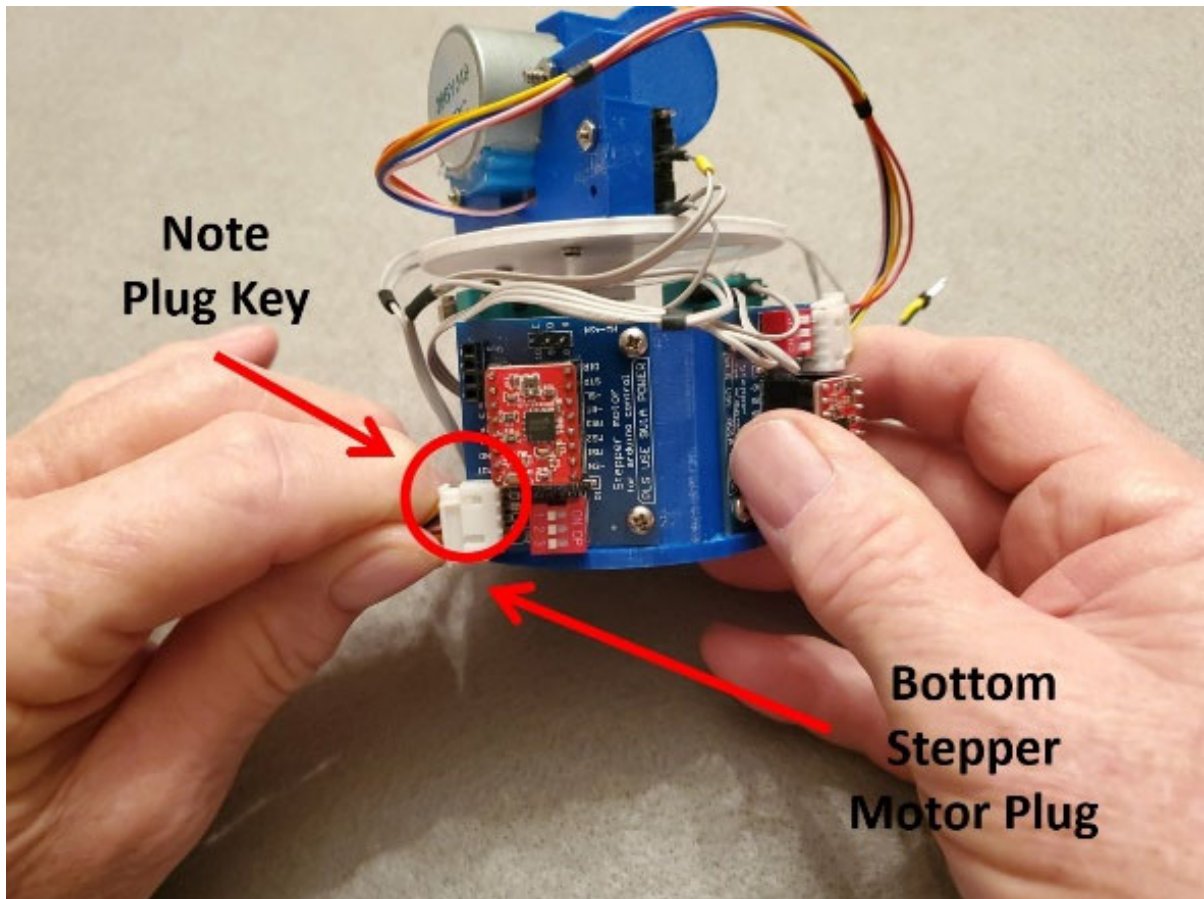


(2) The Bottom Stepper Motor is plugged into the driver board on the Left side.

Note: 1. The connector and RED switch block are positioned at the bottom of the camera base.

2. The small “arrows” (Plug Key) on the plug are facing outward.

****** 3. There is an opening cut on the Stepper Control board socket to expose the RED wire from the Stepper Motor that is NOT used.**



- (3) The top stepper motor is plugged into the driver board on the Right side.
- Note: 1.** The connector and **RED switch block** are positioned at the top of the camera base. (See the photo for details about the orientation of the connector.)
- 2.** The small “arrows” (the plug key) on the plug are facing outward.
- **** 3.** There is an opening cut on the Stepper Control board socket (see **ORANGE CIRCLE** mark on the photo) to expose the **RED** wire from the Stepper Motor that is **NOT** used. ********

