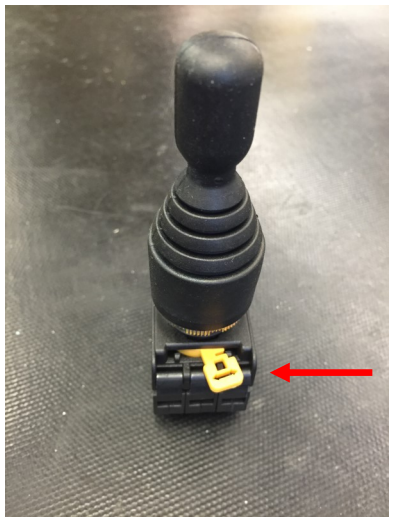
Rewiring Joystick Switch Block with MS22-2-A-4/0 Joystick

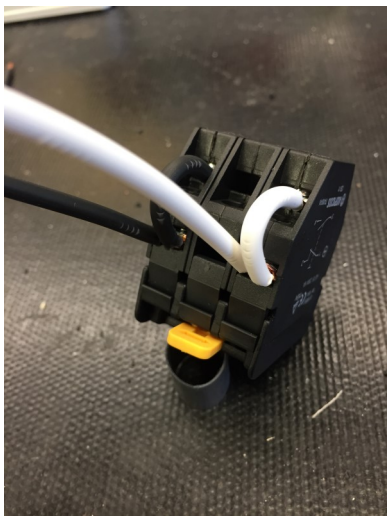
The provided lever and switches can be used to replace older joystick models, but must be wired differently. Begin by removing the old switch block and joystick from the box. Save all jumper wires, as they will be required.

DO NOT OVERTIGHTEN THE SCREWS IN THE JOYSTICK; YOU WILL DAMAGE THE SWITCHES

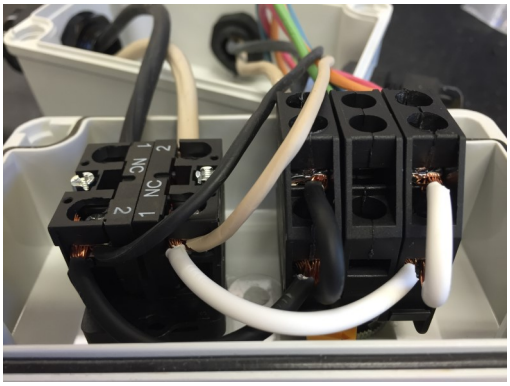
1. Remove switch block from stick by pushing yellow lock tab to the left.



2. Wire jumpers vertically on side of switches with the yellow lock tab. The wires in the top switches (nearer the lock tab—pictured bottom here) will be coming from the switch block for the push button. It may be easier to remove them from that block and rewire them back in later in the process.



3. On the other side of the switch block, wire jumpers horizontally with wires from motor going into switches wired with black wires on the first side. The black motor wire should be in the top switch (nearer the lock tab—pictured bottom right here). In switches with white wires in first side, wire blue and green wires into the top switch (nearer the lock tab—pictured bottom left here), and red and orange wires into the last available switch (pictured top left). In Hopper Walker boxes with a green light, the orange and blue wires coming from the Base will be wired through a rectifier diode. There should be green and red jumper wires that run from the diode into the light, and a second set of jumpers from the light into the switch block. Wire jumpers from the light into the switch block, matching the wires to the same color wires coming directly from the Base (green top, red bottom—switches shown upside down in photo).

4. Place joystick into box by removing metal nut, inserting stick into box (ensure stick moves perpendicular to the length of the box), and replacing and tightening nut onto bottom. Reattach the switch block to the stick (insert base of stick into switch block, and push yellow lock tab back to its original position until it clicks). If jumper wires from pushbutton block were removed, reattach them to that switch block along with black and white wires coming from Base in the same manner as they originally were wired.

Make sure joystick handle is attached to switch blocks before applying powering; if not, you will blow a fuse!