VEX ROBOTARM - REUSABLE CALIBRATION CODE needs: Lower limit switch port #, upper limit switch port, mater port, eccoder port (Port or ) Sensous & Motors : Lowerlimit switch, upper limit switch, motorport, encoder Lower limit's degrees from origin, upper limit switch's degrees from origin Motor Struct Ma A Single ARMV CALIBA ASSON set everything from above, & float - encoder degrees perstep, float lower offset. function proedocade: (Struct SINGLE ARM MOTOR LAWBRASTON COVERT) 7 move arm downward until Timit switch. Calculate degrees set lower offset = 90 equal to current encoder rending. traveled. (origin ) our move arm upward to upper limit switch. (origin tupper) culculate # of encolors teps perdegree of actulmoununt. (origin-lower) set husbeen culibrated to true. end function. this will work for everything Lot the looper arm Moher functions Calibrate (\$) Arm Motor structure get turrent anyled; motor port calibrate (Stroet Azar Calibration ); motor encoder floot get (verent angle (%) struct Arm); relative returns angle othern as flout. steps per degree - set by calibration function motor marangle goto Angle (Struct Arm, speed (relative)); motor min angle motor current angle (it nota function) Calibration substructure motor advised max speed

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