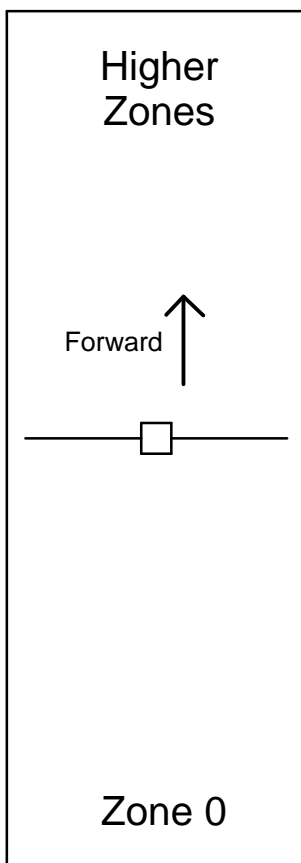


SWITCH BOOM DIRECTION

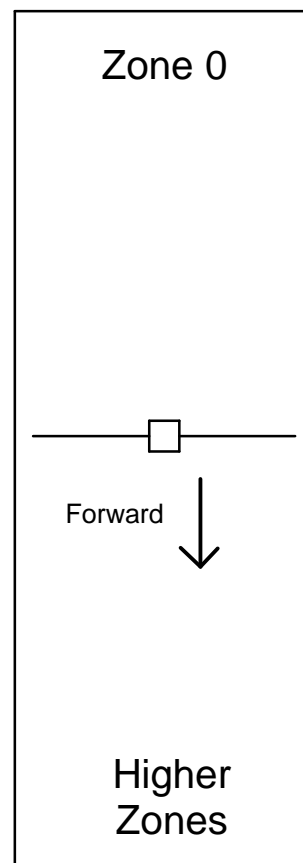
(Original Common Sense Controller)

We want to change the direction of the whole boom

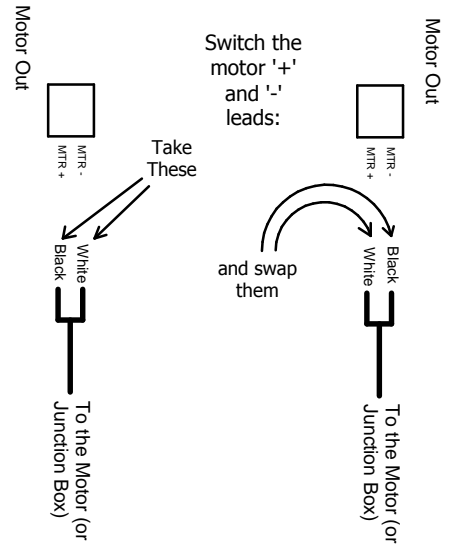
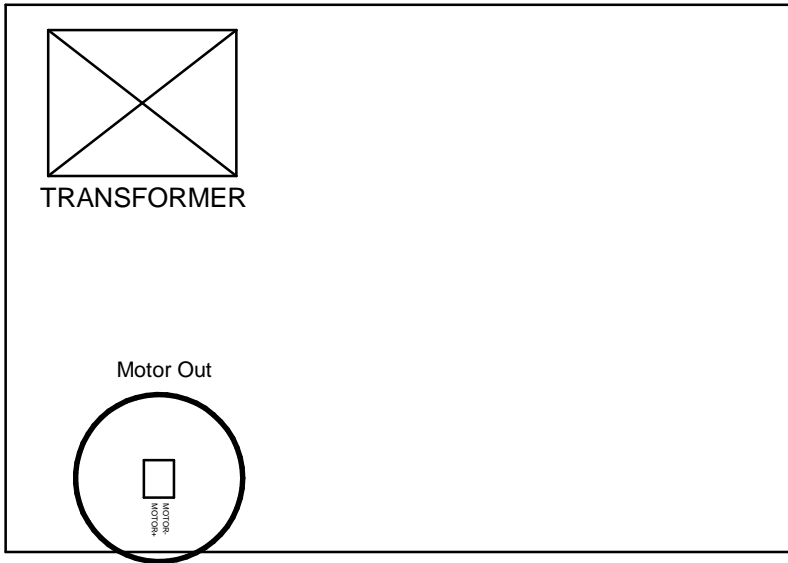
from this,



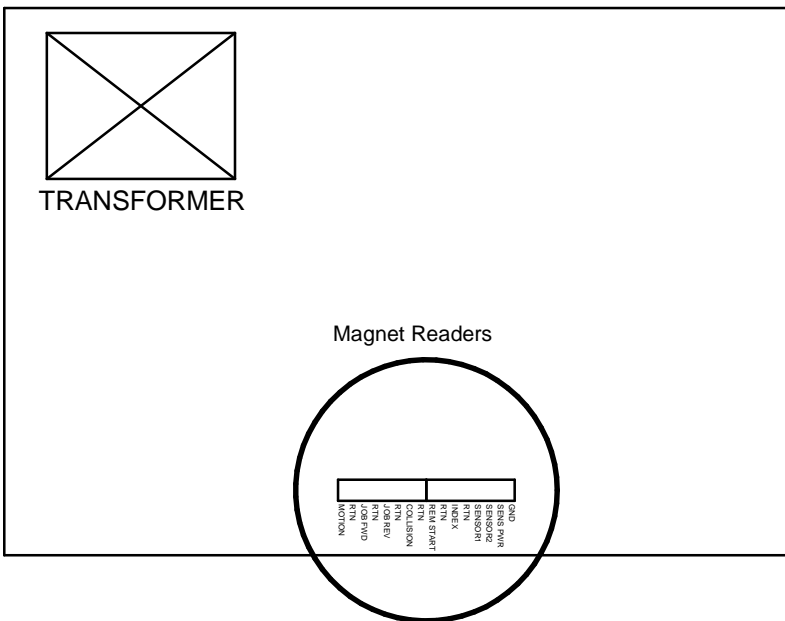
to this:



(1) SWAP THE MOTOR LEADS

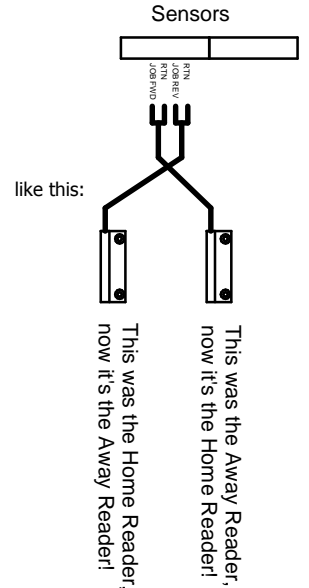
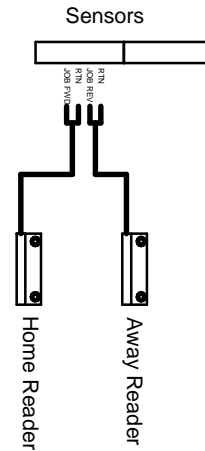


(2) SWITCH THE MAGNET READER WIRES



Each magnet reader is wired in as a pair with its return wire.

Swap the two pairs! You might want to mark one of the wires first - it might help you keep track of which is which.



(3) Double Check

A good way to check if your motor and sensors are matching up is to check the sensors in Test mode.

Start at the Manual Mode screen

```
MANUAL      DAY1 00:10  
BOOM IDLE  
PRESS DAILY PROGRAM  
CROP:01     ZONE:000
```

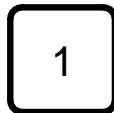
and press the Test key:



```
1) TEST HARDWARE  
2) SPEED CAL  
3) CLEAR PROGRAM  
4) TEST KEYPAD
```

(test mode menu)

Then press

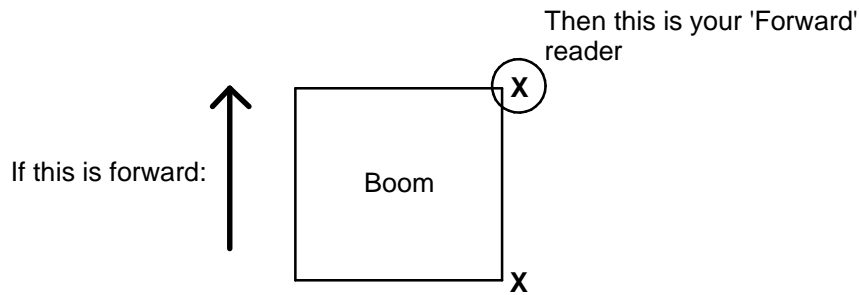


```
TEST HARDWARE  
INPUTS=___3___  
VALVES=_____  
S1=0570     S2=0572
```

Right now we're focusing on the 'INPUTS' line.

The '3' is always there (or should be). It's the collision input. Also, '6' might or might not be showing; it's the motion reader input. It is on or off depending on how the idler axle is rotated.

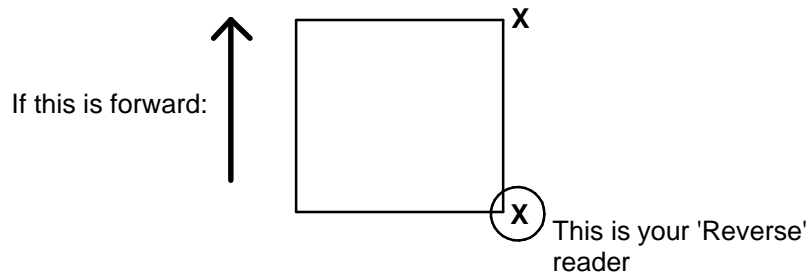
Put a magnet on the rail and point it toward your away reader:



Your screen should show:

```
TEST HARDWARE
INPUTS=__3_5_
VALVES=_____
S1=0570    S2=0572
```

Put a magnet on the rail and point it toward your reverse reader:



Now your screen should show:

```
TEST HARDWARE
INPUTS=__34__
VALVES=_____
S1=0570    S2=0572
```

If they're reversed, flip them. If you see other numbers (besides '6' being there the whole time), or have any questions at all, call GTI

(888) 827 - 5204 Main Office Line (8am-4:30pm Weekdays)

(859) 358 - 9595 Emergency Tech Support Line (24hr - please call Main office line on workdays)